

# Receiving Report

Date: 17-5-16

Batch No: 137495

Supplier: Aviall

Dart P/O: 36187

Packing Slip: Yes ☒ No ☐  
 Invoice: Yes ☒ No ☐  
 Receipt: Cash ☐ Cr ☒  
 New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐  
 Waybill Attached: Yes ☒ No ☐  
 Shipment Complete: Yes ☒ No ☐ N/A ☒  
 QC18 Inspection ☐ N/A ☒  
 Work Order ☐ N/A ☒

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

[Signature]

Production/Admin: \_\_\_\_\_  
 Date \_\_\_\_\_  
 Received/Costing \_\_\_\_\_  
 Initial \_\_\_\_\_

Location \_\_\_\_\_



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID PO36189

Purchase Order Date 5/4/2017

PO Print Date 5/4/2017

Page Number 1 of 6

Order From :  
AVIALL  
PO BOX 842275

VU-AVI003

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

M137495

DALLAS, TX 75284-2275  
USA

MAY 04 2017

Contact Name  
Vendor Phone 905-676-1695  
  
Ship To Contact  
Ship To Phone  
Ship Via: FedEx Overnight collect  
Ship Acct:

Buyer  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency USD  
FOB EXW - (Ex Works)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	600.0990	Magnabond 6398 Part A Size 112 ml	5/10/2017 Yes 5/10/2017	FN	12.00 Each	\$30.13	\$361.56
						Line Total:	\$361.56
2	600.0991	Magnabond 6398 Part B Size 112 ml	5/10/2017 Yes 5/10/2017	FN	12.00 Each	\$30.13	\$361.56
						Line Total:	\$361.56
3	AN3-35A	Bolt	5/10/2017 Yes 5/10/2017	FN	150.00 Each	\$0.47	\$70.50

all

817516

PO Instructions: Fedex Acc#151793240

Note:

5/4/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID PO36189

Purchase Order Date 5/4/2017  
PO Print Date 5/4/2017

Page Number 2 of 6

Order From :  
AVIALL  
PO BOX 842275

VU-AVI003

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

DALLAS, TX 75284-2275  
USA

Contact Name  
Vendor Phone 905-676-1695

Ship To Contact  
Ship To Phone  
Ship Via: FedEx Overnight collect  
Ship Acct:

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency USD  
FOB EXW - (Ex Works)

4	AN4-11A	BOLT	5/10/2017 FN	200.00	Line Total:	\$70.50
			Yes	Each		
			5/10/2017		\$0.17	\$34.00

over 600

5	AN4-14A	Bolt	5/10/2017 FN	100.00	Line Total:	\$34.00
			Yes	Each		
			5/10/2017		\$0.20	\$20.00

over 600

6	AN4-20A	Bolt	5/10/2017 FN	50.00	Line Total:	\$20.00
			Yes	Each		
			5/10/2017		\$0.25	\$12.50

over 600

807-516

					Line Total:	\$12.50
--	--	--	--	--	-------------	---------

PO Instructions: Fedex Acc#151793240

Note:

5/4/2017



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# PURCHASE ORDER

Purchase Order ID PO36189

Purchase Order Date 5/4/2017

PO Print Date 5/4/2017

Page Number 3 of 6

**Order From :**

AVIALL  
PO BOX 842275

DALLAS, TX 75284-2275  
USA

VU-AVI003

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 905-676-1695

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

**Ship Acct:**

FedEx Overnight collect

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

USD

**FOB**

EXW - (Ex Works)

7 AN4C13A

BOLT

5/10/2017

Yes

5/10/2017

100.00

Each

\$0.64

\$64.00

Line Total:

\$64.00

8 AN814-6D

Plug

5/10/2017

Yes

5/10/2017

8.00

Each

\$3.82

\$30.56

Line Total:

\$30.56

9 MS21919WCF8

Clamp

5/10/2017 FN

Yes

5/10/2017

10.00

Each

\$1.15

\$11.50

Line Total:

\$11.50

10 MS21042L3

Nut

5/10/2017 FN

Yes

5/10/2017

1,000.00

Each

\$0.14

\$140.00

**PO Instructions:** Fedex Acc#151793240

**Note:**

5/4/2017

8817-5-16



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# PURCHASE ORDER

Purchase Order ID PO36189

Purchase Order Date 5/4/2017

PO Print Date 5/4/2017

Page Number 4 of 6

**Order From :**

AVIALL  
PO BOX 842275

DALLAS, TX 75284-2275  
USA

VU-AVI003

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone**

905-676-1695

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

FedEx Overnight collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

USD

**FOB**

EXW - (Ex Works)

**Line Total:**

**\$140.00**

11 MS29512-06

O-Ring

5/10/2017

Yes

5/10/2017

12.00

Each

\$0.13

\$1.56

12 NAS1149C0363R

Washer

5/10/2017 FN

Yes

5/10/2017

200.00

Each

\$0.10

**\$1.56**

\$20.00

**Line Total:**

13 156001-6D0121

Hose Assembly

5/10/2017

Yes

5/10/2017

2.00

Each

\$76.91

\$153.82

**Line Total:**

**\$20.00**

AS PER DWG D3297 REV. D  
B160414

**PO Instructions:** Fedex Acc#151793240

**Note:**

5/4/2017

6817-5-16.



Dart Aerospace Ltd.  
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## PURCHASE ORDER

Purchase Order ID **PO36189**

Purchase Order Date 5/4/2017

PO Print Date 5/4/2017

Page Number 5 of 6

**Order From :**

AVIALL  
PO BOX 842275

DALLAS, TX 75284-2275  
USA

VU-AVI003

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone**

905-676-1695

**Ship To Contact**

**Ship To Phone**

**Ship Via:**

FedEx Overnight collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #**

10127-2607

**Terms**

Net 30

**Currency**

USD

**FOB**

EXW - (Ex Works)

**Line Total:** \$153.82

14 156005-6D0350

Hose Assembly

5/10/2017

Yes

2.00

Each

\$244.80

\$489.60

5/10/2017

AS PER DWG D3297 REV. D  
B160648

**Line Total:** \$489.60

15 3M8681-4

Abrasion Strip 4"

5/10/2017

Yes

216.00

f

\$6.78

\$1,464.48

1488.18

5/10/2017

**Line Total:** \$1,464.48

16 71400-11

PS980-B2 PRO-SEAL  
(PINT)

5/10/2017

Yes

12.00

Each

\$68.64

\$823.68

784.08

5/10/2017

**Line Total:** \$823.68

**Deliver To:** ANDY

**PO Instructions:** Fedex Acc#151793240

**Note:**

5/4/2017



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1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO36189**

Purchase Order Date 5/4/2017

PO Print Date 5/4/2017

Page Number 6 of 6

**Order From :**

AVIALL  
PO BOX 842275

DALLAS, TX 75284-2275  
USA

VU-AVI003

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

**Contact Name**

**Vendor Phone** 905-676-1695

**Ship To Contact**

**Ship To Phone**

**Ship Via:** FedEx Overnight collect

**Ship Acct:**

**Buyer**

Chantal Lavoie

**Customer POID**

**Customer Tax #** 10127-2607

**Terms**

Net 30

**Currency**

USD

**FOB**

EXW - (Ex Works)

17 71401-45

PROCUREMENT  
QUALITY CLAUSES

5/10/2017

1.00

\$0.00

\$0.00

No

5/10/2017

**Procurement Quality Clauses**

A005 RIGHT OF ENTRY

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A015 SHELF LIFE CONTROLLED MATERIAL; 60% SHELF  
LIFE REQUIRED ACCEPTABLE

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT

A033 STATEMENT OF CONFORMITY/TEST RECORDS

FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A043 RETENTION OF QUALITY DOCUMENT

*SP1-5-16*

**Line Total:**

**\$0.00**

**PO Total:**

**\$4,059.32**

**PO Instructions:** Fedex Acc#151793240

**Note:** Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

**Change Nbr:** 1

**Change Date:** 5/4/2017



## BOX CONTENT LIST



ODO: 310006074870

ROUTE: FDXIPA

PAGE: 1 of 1

DATE: 05/06/2017

TIME: 10:56:50



Handling Unit: 110000000504171073

Packed at WorkCenter: SH08

CUSTOMER PO:36189  
ORDER NUMBER:8004437762B CU10003952  
I DART AEROSPACE LTD  
L 1270 ABERDEEN STREET  
L HAWKESBURY ON K6A 1K7  
T CANADA  
OS CU10003952  
H DART AEROSPACE LTD  
I 1270 ABERDEEN STREET  
P HAWKESBURY ON K6A 1K7  
T CANADA  
OS 1000  
H AVIALL CENTRAL WAREHOUSE  
I DALLAS CDC  
P PO Box 619048  
F DFW AIRPORT TX 75261  
R USA  
O

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	UOM			
00010		33	MAGNOBOND6398=33	12	6	CQ			
			ADHESIVE: EPOXY,A/B,112ML						
			BATCH 7364498157		6				
			Exp Date: 02/01/2018						

87516

**This is not an invoice.**  
**For payment processing, please refer to Invoice.**

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## CERTIFICATE OF CONFORMANCE

It is hereby certified that Aviall Services, Inc., is an approved distributor and meets all requirements of ISO9001, AS9100, AS9120 and AC 00-56 at 2750 Regent Blvd. DFW Airport, Texas. The products, articles or parts referenced on this document are in new or overhauled condition and were purchased from an approved source (FAA, EASA, TCCA, Mil Spec or Commercial). The Original Manufacturers' Certifications are maintained on file at our central office location, and copies are available upon request or at Aviall.com. For overhauled or repaired products, articles or parts, the original FAA 8130-3 / EASA Form 1 (Return to Service) or Yellow Tag, from the FAA/JAA/EASA approved Air Agency are attached to the component.

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL  
RETURNED MERCHANDISE SUBJECT TO HANDLING  
FEE.

THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH  
THE PROVISIONS OF THE FAIR LABOR ACT OF 1938  
AMENDED.





## PACKING LIST



DELIVERY NUMBER: 8004437762

ROUTE: US FedEx International Priority

PAGE:1 of 1  
DATE:06MAY17  
TIME:11:02:03  
EMP:00000000  
ORD TYP: ZOR 169  
CURRENCY:USD  
TERMS:Net 30

CUSTOMER PO:36189  
ORDER NUMBER:1003075811  
ORDER DATE:05MAY17

B 10003952  
I DART AEROSPACE LTD  
L 1270 ABERDEEN STREET  
L HAWKESBURY ON K6A 1K7  
T CANADA  
O

S 10003952  
H DART AEROSPACE LTD  
I 1270 ABERDEEN STREET  
P HAWKESBURY ON K6A 1K7  
T CANADA  
O

S 1000  
H AVIALL CENTRAL WAREHOUSE  
I DALLAS CDC  
P 2750 REGENT BLVD  
F DFW AIRPORT TX 75261  
R USA  
O

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM		CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00010	0	33	MAGNOBOND6398 ADHESIVE: EPOXY,A/B,112ML BATCH 7364498157	12	12	0	CQ		60.26	723.12
			Exp Date: 01FEB18		12					

807516

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JR Hofmann, Director, Global Quality

06MAY17  
Date

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CUSTOMER COPY

**BOX CONTENT LIST**


ODO: 310006074871

ROUTE: FDXIPA

 PAGE: 1 of 3  
 DATE: 05/05/2017  
 TIME: 18:29:57


Handling Unit: 110000000504164501

Packed at WorkCenter: SI09

 CUSTOMER PO:36189  
 ORDER NUMBER:8004437763

 B CU10003952  
 I DART AEROSPACE LTD  
 L 1270 ABERDEEN STREET  
 L HAWKESBURY ON K6A 1K7  
 T CANADA  
 O

 S CU10003952  
 H DART AEROSPACE LTD  
 I 1270 ABERDEEN STREET  
 P HAWKESBURY ON K6A 1K7  
 T CANADA  
 O

 S 1000  
 H AVIALL CENTRAL WAREHOUSE  
 I DALLAS CDC  
 P PO Box 619048  
 F DFW AIRPORT TX 75261  
 R USA  
 O

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	UOM
00020		28	AN3-35A=28 BOLT: HEX HD,ST	150	150	EA
			BATCH 7364462961 Exp Date:		150	
00030		28	AN4-11A=28 BOLT: HEX HD,ST	200	200	EA
			BATCH 7364473748 Exp Date:		200	
00040		28	AN4-14A=28 BOLT: HEX HD,ST	100	100	EA
			BATCH 7364478418 Exp Date:		100	
00050		28	AN4-20A=28 BOLT: HEX HD,ST	50	50	EA
			BATCH 7364467629 Exp Date:		50	
00060		28	AN4C13A=28 BOLT: HEX HD,SS	100	100	EA
			BATCH 7364483789 Exp Date:		100	

8017-516

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 AMENDED.



# BOX CONTENT LIST



ODO: 310006074871

ROUTE: FDXIPA

PAGE: 2 OF 3  
DATE: 05/05/2017  
TIME: 18:29:57



Handling Unit: 110000000504164501

Packed at WorkCenter: SI09

CUSTOMER PO:36189  
ORDER NUMBER:8004437763

SHIP FROM  
1000  
AVIALL CENTRAL WAREHOUSE  
DALLAS CDC  
PO Box 619048  
DFW AIRPORT TX 75261  
USA

SHIP TO  
CU10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

SHIP TO  
CU10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	UOM
00070		28	AS5169D06=28 PLUG: BLEEDER,PORT,AL	8	8	EA
			BATCH 0911973349 Exp Date:		8	
00080		15	MS21919WCF8=15 CLAMP: LOOP,CUSHION,CRES	10	10	EA
			BATCH 7364518202 Exp Date: 04/01/2023		10	
00090		28	MS21042L3=28 NUT: SELF-LKG,ST	1,000	1,000	EA
			BATCH 7364495914 Exp Date:		1,000	
00100		15	MS29512-06=15 ORING: NITRILE,70	12	12	EA
			BATCH 7364470756 Exp Date: 09/27/2030		12	
00110		28	NAS1149C0363R=28 WASHER: FLT,ST	200	200	EA
			BATCH 7364489509 Exp Date:		200	

*Signature*

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ODO: 310006074871

ROUTE: FDXIPA



Handling Unit: 110000000504164501

Packed at WorkCenter: SI09

CUSTOMER PO:36189  
ORDER NUMBER:8004437763

**B** CU10003952  
**I** DART AEROSPACE LTD  
**L** 1270 ABERDEEN STREET  
**L** HAWKESBURY ON K6A 1K7  
**T** CANADA  
**O**

**S** CU10003952  
**H** DART AEROSPACE LTD  
**I** 1270 ABERDEEN STREET  
**P** HAWKESBURY ON K6A 1K7  
**T** CANADA  
**O**

**S** 1000  
**H** AVIALL CENTRAL WAREHOUSE  
**I** DALLAS CDC  
**P** PO Box 619048  
**F** DFW AIRPORT TX 75261  
**R** USA  
**O**

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	UOM
00140		27	021200-24987=27 TAPE:PPT,CLR,4INX36YD	2	2	EA
			BATCH 7364491591 Exp Date: 01/24/2019		2	
00150		5N	P5890B2PT=5N KIT: SEALANT,FUEL TANK,PT,PRC STD SPEC	12	12	EA
			BATCH 7364531636 Exp Date: 01/30/2018		12	

*Soft-Side*

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AMENDED.



PACKING LIST

137495



DELIVERY NUMBER: 8004437763

ROUTE: US FedEx International Priority

PAGE: 1 OF 3  
DATE: 05MAY17  
TIME: 18:30:55  
EMP: 00000000  
ORD TYP: ZOR 169  
CURRENCY: USD  
TERMS: Net 30

CUSTOMER PO: 36189  
ORDER NUMBER: 1003075811  
ORDER DATE: 05MAY17

B I L L T O 10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

S H I P T O 10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

S H I P F R O M 1000  
AVIALL CENTRAL WAREHOUSE  
DALLAS CDC  
2750 REGENT BLVD  
DFW AIRPORT TX 75261  
USA

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00010	0	28	AN3-35A BOLT: HEX HD,ST	150	150	0	EA	0.47	70.50
			BATCH 7364462961		150				
00020	0	28	AN4-11A BOLT: HEX HD,ST	200	200	0	EA	0.17	34.00
			BATCH 7364473748		200				
00030	0	28	AN4-14A BOLT: HEX HD,ST	100	100	0	EA	0.20	20.00
			BATCH 7364478418		100				
00040	0	28	AN4-20A BOLT: HEX HD,ST	50	50	0	EA	0.25	12.50
			BATCH 7364467629		50				
00050	0	28	AN4C13A BOLT: HEX HD,SS	100	100	0	EA	0.64	64.00
			BATCH 7364483789		100				
00060	0	28	AS5169D06 PLUG: BLEEDER,PORT,AL	8	8	0	EA	3.82	30.56

This is not an Invoice.  
For payment processing, please refer to Invoice.

SP17-5-16

The recipient of these goods agrees to comply with all export regulations governing the transfer, sale, lease, or use of these goods. Diversion contrary to U.S. Law is prohibited.	
<p>CERTIFICATE OF CONFORMANCE</p> <p>It is hereby certified that Aviall Services, Inc., is an approved distributor and meets all requirements of ISO9001. AS9100, AS9120 and AC 00-56 at 2750 Regent Blvd. DFW Airport, Texas. The products, articles or parts referenced on this document are in new or overhauled condition and were purchased from an approved source (FAA, EASA, TCCA, Mil Spec or Commercial). The Original Manufacturers' Certifications are maintained on file at our central office location, and copies are available upon request or at Aviall.com. For overhauled or repaired products, articles or parts, the original FAA 8130-3 / EASA Form 1 (Return to Service) or Yellow Tag, from the FAA/JAA/EASA approved Air Agency are attached to the component.</p> <p>JR Hofmann, Director, Global Quality</p>	<p>DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL RETURNED MERCHANDISE SUBJECT TO HANDLING FEE.</p> <p>THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH THE PROVISIONS OF THE FAIR LABOR ACT OF 1938 AMENDED.</p> <p>CUSTOMER COPY</p>



PACKING LIST



DELIVERY NUMBER: 8004437763

ROUTE: US FedEx International Priority

PAGE: 2 of 3  
DATE: 05MAY17  
TIME: 18:30:55  
EMP: 00000000  
ORD TYP: ZOR 169  
CURRENCY: USD  
TERMS: Net 30

CUSTOMER PO: 36189  
ORDER NUMBER: 1003075811  
ORDER DATE: 05MAY17

**B I L L T O**  
10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

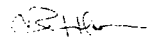
**S H I P T O**  
10003952  
DART AEROSPACE LTD  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

**S H I P F R O M**  
1000  
AVIALL CENTRAL WAREHOUSE  
DALLAS CDC  
2750 REGENT BLVD  
DFW AIRPORT TX 75261  
USA

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00070	0	15	BATCH 0911973349 MS21919WCF8 CLAMP: LOOP, CUSHION, CRES	10	10	0	EA	1.15	11.50
00080	0	28	BATCH 7364518202 Customer Material No: MS21919WCF8 MS21042L3 NUT: SELF-LKG, ST	1,000	1,000	0	EA	0.14	140.00
00090	0	15	BATCH 7364495914 MS29512-06 ORING: NITRILE, 70	12	12	0	EA	0.13	1.56
00100	0	28	BATCH 7364470756 NAS1149C0363R WASHER: FLT, ST	200	200	0	EA	1.78	3.56
00110	0	27	BATCH 7364489509 021200-24987 TAPE: PPT, CLR, 4INX36YD	2	2	0	EA	744.09	1,488.18
			BATCH 7364491591 Exp Date :24JAN19		2				

**This is not an Invoice.  
For payment processing, please refer to Invoice.**

8975-16

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<b>CERTIFICATE OF CONFORMANCE</b> It is hereby certified that Aviall Services, Inc., is an approved distributor and meets all requirements of ISO9001, AS9100, AS9120 and AC 00-56 at 2750 Regent Blvd. DFW Airport, Texas. The products, articles or parts referenced on this document are in new or overhauled condition and were purchased from an approved source (FAA, EASA, TCCA, Mil Spec or Commercial). The Original Manufacturers' Certifications are maintained on file at our central office location, and copies are available upon request or at Aviall.com. For overhauled or repaired products, articles or parts, the original FAA 8130-3 / EASA Form 1 (Return to Service) or Yellow Tag, from the FAA/JAA/EASA approved Air Agency are attached to the component.   JR Hofmann, Director, Global Quality	<b>DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL RETURNED MERCHANDISE SUBJECT TO HANDLING FEE.</b> THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH THE PROVISIONS OF THE FAIR LABOR ACT OF 1938 AMENDED.  CUSTOMER COPY
AV20 RS-06	05MAY17 Date



## PACKING LIST



DELIVERY NUMBER: 8004437763

ROUTE: US FedEx International Priority

PAGE: 3 OF 3

DATE: 05MAY17

TIME: 18:30:55

EMP: 00000000

ORD TYP: ZOR 169

CURRENCY: USD

TERMS: Net 30

CUSTOMER PO: 36189  
ORDER NUMBER: 1003075811  
ORDER DATE: 05MAY17

B 10003952  
I DART AEROSPACE LTD  
L 1270 ABERDEEN STREET  
L HAWKESBURY ON K6A 1K7  
T CANADA  
O

S 10003952  
H DART AEROSPACE LTD  
I 1270 ABERDEEN STREET  
P HAWKESBURY ON K6A 1K7  
T CANADA  
O

S 1000  
H AVIALL CENTRAL WAREHOUSE  
I DALLAS CDC  
P 2750 REGENT BLVD  
F DFW AIRPORT TX 75261  
R USA  
O

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM		CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00120	0	5N	PS890B2PT KIT: SEALANT, FUEL TANK, PT, PRC STD SPEC BATCH 7364531636 Exp Date :30JAN18	12	12	0	EA		65.34	784.08

6017-516

**This is not an Invoice.**  
**For payment processing, please refer to Invoice.**

The recipient of these goods agrees to comply with all export regulations governing the transfer, sale, lease, or use of these goods.  
Diversion contrary to U.S. Law is prohibited.

## CERTIFICATE OF CONFORMANCE

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DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL  
RETURNED MERCHANDISE SUBJECT TO HANDLING  
FEE.  
THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH  
THE PROVISIONS OF THE FAIR LABOR ACT OF 1938  
AMENDED.

CUSTOMER COPY



A BOEING COMPANY

# PACKING LIST



DELIVERY NUMBER: 8004443670

ROUTE: US FedEx International Priority

PAGE: 1 of 1

DATE: 08MAY17

TIME: 09:17:41

EMP: 00000000

ORD TYP: ZOR 169

CURRENCY: USD

TERMS: Net 30

CUSTOMER PO: 36189  
ORDER NUMBER: 1003075811  
ORDER DATE: 05MAY17

B 10003952  
I DART AEROSPACE LTD  
L 1270 ABERDEEN STREET  
L HAWKESBURY ON K6A 1K7  
T CANADA  
O

S 10003952  
H DART AEROSPACE LTD  
I 1270 ABERDEEN STREET  
P HAWKESBURY ON K6A 1K7  
T CANADA  
O

S 1009  
H AVIALL DALLAS HOSE SHOP  
I DALLAS HOSE SHOP  
P 2755 REGENT BLVD  
F DFW AIRPORT TX 75261  
R USA  
O

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00010	0	1S	156001-6D0121 HOSE: MED PRESSURE, RUBBER	2	2	0	EA	76.91	153.82
			BATCH 100121664		2				
00020	0	1S	156005-6D0350 HOSE: MED PRESSURE, RUBBER	2	2	0	EA	244.80	489.60
			BATCH 100121665		2				

**This is not an Invoice.**  
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Diversion contrary to U.S. Law is prohibited.

## CERTIFICATE OF CONFORMANCE

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JR Hofmann, Director, Global Quality

08MAY17  
Date

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL  
RETURNED MERCHANDISE SUBJECT TO HANDLING  
FEE.  
THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH  
THE PROVISIONS OF THE FAIR LABOR ACT OF 1938  
AMENDED.

CUSTOMER COPY





A BOEING COMPANY

# Commercial Invoice

AVIALL SERVICES INC  
2750 REGENT BLVD  
DFW AIRPORT TX 75261  
USA

Tracking Number  
598520542958

Ship From LU\_US\_1009

AVIALL DALLAS HOSE SHOP  
2755 REGENT BLVD  
DFW AIRPORT TX 75261  
USA

Government Transaction Number  
**NOEEI FTR 30.36**

Delivery Number  
8004443670

Commercial Invoice Number  
9305528203

Ship Date  
08 May, 2017

Incoterms  
EXW Shipping Point

Sold To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ultimate Consignee DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ship To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Freight Forwarder FEDEX FEDEX NATIONAL LTL INC PO BOX 94515 PALATINE IL 60094-4515	400010
						Tax Number: 20-4734803	

Comments:

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Value USD	Extended Value USD
120	156001-6D0121 - HOSE: MED PRESSURE,RUBBER Export Tariff: 4009220050 Export Classification: 9A991.d Authorization: NLRAT_MAY_2017 Sales Order: 1003075811 PO: 36189	US	2	EA	76.91	153.82
130	156005-6D0350 - HOSE: MED PRESSURE,RUBBER Export Tariff: 4009420050 Export Classification: 9A991.d Authorization: NLRAT_MAY_2017 Sales Order: 1003075811 PO: 36189	US	2	EA	244.80	489.60

597-516



A BOEING COMPANY

# Commercial Invoice

Delivery Number	Commercial Invoice Number
8004443670	9305528203

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Price USD	Extended Value USD
------	---------------------------	-------------------	----------	-----	-------------------	-----------------------

Gross Value	643.42
Add on Charges	
Tax Value	
Freight Charges	
Total Net Value	643.42

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NOT A BILLING INVOICE**

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end user(s) here in identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.

5017-5/16



A BOEING COMPANY

AVIALL SERVICES INC  
2750 REGENT BLVD  
DFW AIRPORT TX 75261  
USA

# Commercial Invoice

Tracking Number	722544680700	Government Transaction Number	NOEEI FTR 30.36
Ship From	LU_US_1000	Delivery Number	8004437762
AVIALL CENTRAL WAREHOUSE 2750 REGENT BLVD. DFW AIRPORT TX 75261 USA		Commercial Invoice Number	9305527281
		Ship Date	06 May, 2017
		Incoterms	EXW Shipping Point

Sold To	10003952	Ultimate Consignee	10003952	Ship To	10003952	Freight Forwarder	400010
DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA		DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA		DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA		FEDEX FEDEX NATIONAL LTL INC PO BOX 94515 PALATINE IL 60094-4515	
						Tax Number: 20-4734803	

Comments:

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Value USD	Extended Value USD
10	MAGN0B0ND6398 - ADHESIVE: EPOXY,A/B,112ML Export Tariff: 3506100000 Export Classification: EAR99 Authorization: NLRAT_MAY_2017 Sales Order: 1003075811 PO: 36189 Batch Number: 7364498157	US	12	CQ	60.26	723.12

SP17-5-16



A BOEING COMPANY

# Commercial Invoice

Delivery Number	Commercial Invoice Number
8004437762	9305527281

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Price USD	Extended Value USD
------	---------------------------	-------------------	----------	-----	-------------------	-----------------------

Gross Value	723.12
Add on Charges	
Tax Value	
Freight Charges	
Total Net Value	723.12

**FOR CUSTOMS PURPOSES ONLY  
NOT A BILLING INVOICE**

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6017 516



A BOEING COMPANY

# Commercial Invoice

AVIALL SERVICES INC  
2750 REGENT BLVD  
DFW AIRPORT TX 75261  
USA

Tracking Number	722544678331	Government Transaction Number	NOEEI FTR 30.36
Ship From	LU_US_1000	Delivery Number	8004437763
AVIALL CENTRAL WAREHOUSE 2750 REGENT BLVD. DFW AIRPORT TX 75261 USA		Commercial Invoice Number	9305521966
		Ship Date	05 May, 2017
		Incoterms	EXW Shipping Point

Sold To	10003952	Ultimate Consignee	10003952	Ship To	10003952	Freight Forwarder	400010
DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA		DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA		DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA		FEDEX FEDEX NATIONAL LTL INC PO BOX 94515 PALATINE IL 60094-4515	
						Tax Number: 20-4734803	

Comments:

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Value USD	Extended Value USD
20	AN3-35A - BOLT: HEX HD,ST Export Tariff: 7318152000 Export Classification: EAR99 Authorization: NLRAT_MAY_2017 Sales Order: 1003075811 PO: 36189 Batch Number: 7364462961	US	150	EA	0.47	70.50
30	AN4-11A - BOLT: HEX HD,ST Export Tariff: 7318152000 Export Classification: EAR99 Authorization: NLRAT_MAY_2017 Sales Order: 1003075811 PO: 36189 Batch Number: 7364473748	US	200	EA	0.17	34.00
40	AN4-14A - BOLT: HEX HD,ST Export Tariff: 7318152000 Export Classification: EAR99 Authorization: NLRAT_MAY_2017 Sales Order: 1003075811 PO: 36189 Batch Number: 7364478418	US	100	EA	0.20	20.00

SP17-5-16



A BOEING COMPANY

# Commercial Invoice

Delivery Number

8004437763

Commercial Invoice Number

9305521966

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Price	Extended Value
					USD	USD
50	AN4-20A - BOLT: HEX HD,ST Export Tariff: 7318152000    Export Classification: EAR99 Authorization: NLRAT_MAY_2017 Sales Order: 1003075811    PO: 36189 Batch Number: 7364467629	US	50	EA	0.25	12.50
60	AN4C13A - BOLT: HEX HD,SS Export Tariff: 7318152000    Export Classification: EAR99 Authorization: NLRAT_MAY_2017 Sales Order: 1003075811    PO: 36189 Batch Number: 7364483789	US	100	EA	0.64	64.00
70	AS5169D06 - PLUG: BLEEDER,PORT,AL Export Tariff: 7609000000    Export Classification: 9A991.d Authorization: NLRAT_MAY_2017 Sales Order: 1003075811    PO: 36189 Batch Number: 0911973349	US	8	EA	3.82	30.56
80	MS21919WCF8 - CLAMP: LOOP,CUSHION,CRES Export Tariff: 7326908695    Export Classification: 9A991.d Authorization: NLRAT_MAY_2017 Sales Order: 1003075811    Customer PN: MS21919WCF8    PO: 36189 Batch Number: 7364518202	US	10	EA	1.15	11.50
90	MS21042L3 - NUT: SELF-LKG,ST Export Tariff: 7318160000    Export Classification: 9A991.d Authorization: NLRAT_MAY_2017 Sales Order: 1003075811    PO: 36189 Batch Number: 7364495914	US	1,000	EA	0.14	140.00
100	MS29512-06 - ORING: NITRILE,70 Export Tariff: 4016930000    Export Classification: 9A991.d Authorization: NLRAT_MAY_2017 Sales Order: 1003075811    PO: 36189 Batch Number: 7364470756	MX	12	EA	0.13	1.56
110	NAS1149C0363R - WASHER: FLT,ST Export Tariff: 7318220000    Export Classification: 9A991.d Authorization: NLRAT_MAY_2017 Sales Order: 1003075811    PO: 36189 Batch Number: 7364489509	US	200	EA	0.02	3.56



A BOEING COMPANY

# Commercial Invoice

Delivery Number	Commercial Invoice Number
8004437763	9305521966

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Price USD	Extended Value USD
140	021200-24987 - TAPE: PPT,CLR,4INX36YD Export Tariff: 3919905060    Export Classification: EAR99 Authorization: NLRAT_MAY_2017 Sales Order: 1003075811    PO: 36189 Batch Number: 7364491591	US	2	EA	744.09	1,488.18
150	PS890B2PT - KIT: SEALANT,FUEL TANK,PT,PRC STD SPEC Export Tariff: 3214100020    Export Classification: EAR99 Authorization: NLRAT_MAY_2017 Sales Order: 1003075811    PO: 36189 Batch Number: 7364531636	US	12	EA	65.34	784.08

Gross Value	2,660.44
Add on Charges	
Tax Value	
Freight Charges	
Total Net Value	2,660.44

## FOR CUSTOMS PURPOSES ONLY NOT A BILLING INVOICE

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# Certificate Of Compliance

4360 NORTHEAST EXPRESSWAY  
ATLANTA GA 30340

Packing Slip	ORD19091
Document Date	1/18/2017
Page	1

## Bill To:



AVIALL SERVICES, INC.  
P.O. BOX 619048  
DALLAS TX 75261-9048

## Ship To:

AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE, DALLAS CDC  
2750 REGENT BLVD.  
DFW AIRPORT TX 75261-9048

(972) 586-1314 Ext. 0000

\* Item Shipped Directly from Vendor

Purchase Order No.	Customer ID	Salesperson ID	Shipping Method	Payment Terms	Order Placed By	Ship Date
45553689	AVIAL001	INSIDE SALES	FED EX GRND COL	NET 30 DAYS	HEATHER	3/7/2017
Ordered	Shipped	B/O	Item Number	Description	Site	UOM
50	50	0	6398-AB/1PT	MAGNOLIA 6398 AB 1 PINT KIT 50 Lot # 17A17/17A17	4360	EA
				<p>ITEM MAGNOBOND6398=33</p>  <p>BATCH 7364498157</p>  <p>GRIVAS 03/13/17</p>		

## Instructions:

M.S.D.S. REQUIRED / DATE OF MFG: 01/2017  
SPEC# 299-947-100, REV P, T-II, CL-2 /SHELF LIFE: FROM Date of  
MFG: 12 months @ below 40°F, or 3 months @ 40-85°F  
or 2 months @ 85-100°F  
SPEC# 299-947-359, REV A, T-I / SHLF LIFE: Date of receipt: 12 month  
@ below 40°F or 09 months @ 60-80°F or 06 months @ 80-100°F  
EXPIRATION DATE: (299-947-100): 01/2018 or 04/2017 or 03/2017  
EXPIRATION DATE: (299-947-359): 03/2018 or 12/2017 or 09/2017

## Magnolia Advanced Materials, Inc.

Signed: \_\_\_\_\_

Greg Bunn  
Technical Director

We certify that the above listed material meets the sales specifications as outlined by the manufacturing procedures of Magnolia Advanced Materials, Inc. and the above listed specification.

The materials process and formulation(s) have not been changed in any way from the original qualified material(s) without prior approval.

Unless otherwise indicated, the country of origin is the USA.

Shelf life certified and applicable on unopened, properly stored containers





# Certificate Of Compliance

4360 NORTHEAST EXPRESSWAY  
ATLANTA GA 30340

Packing Slip	ORD19091
Document Date	1/18/2017
Page	1

## Bill To:

AVIALL SERVICES, INC.  
P.O. BOX 619048  
DALLAS TX 75261-9048

## Ship To:

AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE, DALLAS CDC  
2750 REGENT BLVD.  
DFW AIRPORT TX 75261-9048

(972) 586-1314 Ext. 0000

\* Item Shipped Directly from Vendor

Purchase Order No.	Customer ID	Salesperson ID	Shipping Method	Payment Terms	Order Placed By	Ship Date
45553689	AVIAL001	INSIDE SALES	FED EX GRND COL	NET 30 DAYS	HEATHER	3/7/2017
Ordered	Shipped	B/O	Item Number	Description	Site	UOM
50	50	0	6398-AB/1PT	MAGNOLIA 6398 AB 1 PINT KIT 50 Lot # 17A17/17A17	4360	EA

## Instructions:

M.S.D.S. REQUIRED / DATE OF MFG: 01/2017  
SPEC# 299-947-100, REV P, T-II, CL-2 /SHELF LIFE: FROM Date of  
MFG: 12 months @ below 40°F, or 3 months @ 40-85°F  
or 2 months @ 85-100°F  
SPEC# 299-947-359, REV A, T-I / SHLF LIFE: Date of receipt.: 12 month  
@ below 40°F or 09 months @ 60-80°F or 06 months @ 80-100°F  
EXPIRATION DATE: (299-947-100): 01/2018 or 04/2017 or 03/2017  
EXPIRATION DATE: (299-947-359): 03/2018 or 12/2017 or 09/2017

## Magnolia Advanced Materials, Inc.

Signed:

Greg Bunn  
Technical Director

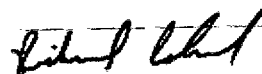
**We certify that the above listed material meets the sales specifications as outlined by the manufacturing procedures of Magnolia Advanced Materials, Inc. and the above listed specification.**

**The materials process and formulation(s) have not been changed in any way from the original qualified material(s) without prior approval.**

**Unless otherwise indicated, the country of origin is the USA.**

**Shelf life certified and applicable on unopened, properly stored containers.**

## SHIPPER'S DECLARATION FOR DANGEROUS GOODS

<b>Shipper</b> AVIALL SERVICES INC 2750 REGENT BLVD DFW AIRPORT, TX, 75261 U.S.A.		<b>Air Waybill No.</b> 722544680695  Page 1 of 1 Pages  <b>Shipper's Reference Number</b> 8004437762 (optional)					
<b>Consignee</b> DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY, ON, K6A 1K7 Canada		<b>Created using</b> International Air regulations and FedEx carrier variations.  <b>LABELMASTER<sup>®</sup></b> <b>SOFTWARE</b>					
Two completed and signed copies of this declaration must be handed to the operator.		<b>WARNING</b>  Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties.					
<b>TRANSPORT DETAILS</b>  This shipment is within the limitations prescribed for: (delete non-applicable) <table border="1"><tr><td>PASSENGER AND CARGO AIRCRAFT</td><td><del>CARGO</del>XXXX <del>AIRCRAFT</del> XXXXXXX</td></tr></table>  Airport of Departure:		PASSENGER AND CARGO AIRCRAFT	<del>CARGO</del> XXXX <del>AIRCRAFT</del> XXXXXXX	Shipment type: (delete non-applicable) <table border="1"><tr><td>NON-RADIOACTIVE</td><td><del>RADIOACTIVE</del>XXXXXXX</td></tr></table>		NON-RADIOACTIVE	<del>RADIOACTIVE</del> XXXXXXX
PASSENGER AND CARGO AIRCRAFT	<del>CARGO</del> XXXX <del>AIRCRAFT</del> XXXXXXX						
NON-RADIOACTIVE	<del>RADIOACTIVE</del> XXXXXXX						
Airport of Destination:							
<b>NATURE AND QUANTITY OF DANGEROUS GOODS</b>							
Dangerous Goods Identification							
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Pack- ing Group	Quantity and type of packing	Packing Inst.	Authorization	
UN3267	Corrosive liquid, basic, organic, n.o.s. (aminoethyl piperazine)	8	III	2 Fibreboard Boxes x 1.44 L	852		
Additional Handling Information Emergency Contact Name: CCN2132 . 24 hr. Emergency Contact Tel. No. 1-800-424-9300 // INTL +1-703-527-3887							
I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I declare that all of the applicable air transport requirements have been met.				Name/Title of signatory  Richard Cabral Hazardous Shipper  Place and Date Dallas Tx, 75261 5/6/2017  Signature (see warning above) 			

## SHIPPER'S DECLARATION FOR DANGEROUS GOODS

<b>Shipper</b> AVIALL SERVICES INC 2750 REGENT BLVD DFW AIRPORT, TX, 75261 U.S.A.		<b>Air Waybill No.</b> 722544680695 <div style="text-align: center;">Page 1 of 1 Pages</div> <b>Shipper's Reference Number</b> 8004437762 <small>(optional)</small>				
<b>Consignee</b> DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY, ON, K6A 1K7 Canada		<b>Created using</b> International Air regulations and FedEx carrier variations.  <b>LABELMASTER<sup>®</sup></b> <b>SOFTWARE</b>				
Two completed and signed copies of this declaration must be handed to the operator.		<b>WARNING</b>  Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties.				
<b>TRANSPORT DETAILS</b> <div style="border: 1px solid black; padding: 5px;"><div style="display: flex; justify-content: space-between;"><div style="width: 60%;">This shipment is within the limitations prescribed for: <small>(delete non-applicable)</small></div><div style="width: 35%;">Airport of Departure:</div></div><div style="display: flex; justify-content: space-between; margin-top: 5px;"><div style="width: 60%; border: 1px solid black; padding: 2px;"><div style="display: flex; justify-content: space-between;"><div style="width: 45%;">PASSENGER AND CARGO AIRCRAFT</div><div style="width: 55%; text-align: center;"><del>CARGO</del> XXXX <del>AIRCRAFT</del> XXXX <del>XXXX</del> XXXX</div></div></div><div style="width: 35%;"></div></div></div>		<b>Shipment type:</b> <small>(delete non-applicable)</small> <div style="display: flex; justify-content: space-between; margin-top: 5px;"><div style="width: 45%;">NON-RADIOACTIVE</div><div style="width: 55%; text-align: center;"><del>RADIOACTIVE</del> XXXXXXXXXX</div></div>				
Airport of Destination:						
<b>NATURE AND QUANTITY OF DANGEROUS GOODS</b>						
Dangerous Goods Identification						
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Pack- ing Group	Quantity and type of packing	Packing Inst.	Authorization
UN3267	Corrosive liquid, basic, organic, n.o.s. (aminoethyl piperazine)	8	III	2 Fibreboard Boxes x 1.44 L	852	
Additional Handling Information    Emergency Contact Name: CCN2132 . 24 hr. Emergency Contact Tel. No. 1-800-424-9300 // INTL +1-703-527-3887						
<b>I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I declare that all of the applicable air transport requirements have been met.</b>				<b>Name/Title of signatory</b> <div style="text-align: center;">Richard Cabral Hazardous Shipper</div> <b>Place and Date</b> Dallas Tx, 75261 5/6/2017 <b>Signature</b> <small>(see warning above)</small>		



# Safety Data Sheet

Issuing Date 08-Oct-2015

Revision date 06-Nov-2015

Revision Number 5

## 1. IDENTIFICATION

### Product identifier

Product name Magnobond 6398-A

### Other means of identification

Product Code(s) 6398-A

Synonyms Magnolia 6398-A

### Recommended use of the chemical and restrictions on use

Recommended Use This product contains epoxy constituents that have an average molecular weight of less than or equal to 700.

Uses advised against No information available

### Details of the supplier of the safety data sheet

#### Manufacturer Address

Magnolia Advanced Materials  
4360 NE Expressway  
Atlanta, GA 30344

### Emergency telephone number

Company Phone Number (770) 451-2777  
Emergency telephone number INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)  
Account 79439

## 2. HAZARDS IDENTIFICATION

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization

Category 1

### Label elements

#### Emergency Overview

#### **WARNING**

#### Hazard statements

May cause an allergic skin reaction



Appearance Gray

Physical state Paste/Gel

Odor Slight ethereal

Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing must not be allowed out of the workplace  
Wear protective gloves

IF ON SKIN: Wash with plenty of water and soap  
If skin irritation or rash occurs: Get medical advice/attention  
Wash contaminated clothing before reuse

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

Causes mild skin irritation Harmful to aquatic life with long lasting effects Harmful to aquatic life

Unknown acute toxicity 55.2 % of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance**

Not applicable

**Mixture****Synonyms**

Magnolia 6398-A.

Chemical Name	CAS-No	Weight %	Trade secret
Trade secret	Proprietary	30-60	*
Aluminum	7429-90-5	25-50	*
Epoxy resin	Proprietary	5-15	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****Description of first aid measures****General advice**

Remove from exposure, lie down. If symptoms persist, call a physician. Do not get in eyes, on skin, or on clothing. MAY CAUSE ALLERGIC SKIN REACTION.

**Eye contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately if symptoms occur.

**Skin contact**

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**Inhalation**

Remove from exposure, lie down. If symptoms persist, call a physician.

**Ingestion**

Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Get medical advice/attention.

**Self-protection of the first aider**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms/Effects** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Water spray, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol-resistant foam.

### Specific hazards arising from the chemical

No information available.

### Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

**Other Information** Ventilate the area.

### Environmental precautions

**Environmental precautions** Do not allow material to contaminate ground water system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep away from open flames, hot surfaces and sources of ignition. Keep tightly closed in a dry and cool place.

**Incompatible Products** None known based on information supplied.

## 8. Exposure Controls/Personal Protection

### Control parameters

### Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Aluminum 7429-90-5	TWA: 1 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

<b>Eye/face protection</b>	No special protective equipment required.
<b>Skin and body protection</b>	No information available.
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** Wash hands before breaks and after work.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical state</b>	Paste/Gel	<b>Odor</b>	Slight ethereal
<b>Appearance</b>	Gray	<b>Odor threshold</b>	No information available
<b>Color</b>	No information available		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks/ • Method</u></b>
<b>PH</b>	No information available	
<b>Melting point / freezing point</b>	No information available	
<b>Boiling Point/Range</b>	107.3 °C 225 °F	
<b>Flash point</b>	> 93.4 °C / > 200 °F	
<b>Evaporation Rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Relative Density</b>	1.25	
<b>Water solubility</b>	Negligible	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autolgnition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Kinematic viscosity</b>	No information available	
<b>Dynamic viscosity</b>	No information available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

**Other Information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content</b>	Negligible
<b>Density</b>	No information available
<b>Bulk density</b>	No information available

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

Other adverse effects No information available

**13. DISPOSAL CONSIDERATIONS**Waste treatment methods

**Waste Disposal Method** Dispose of in accordance with local regulations.

**Contaminated packaging** Do not reuse container.

Chemical Name	California Hazardous Waste Status
Aluminum 7429-90-5	Ignitable (powder)

**14. TRANSPORT INFORMATION**

DOT Not regulated

ICAO

UN-No 3082  
Hazard Class 9  
Packing group III

IATA

UN-No 3082  
Proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)  
Hazard Class 9  
Packing group III

IMDG/IMO

UN-No 3082  
Proper shipping name Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)  
Hazard Class 9  
Packing group III  
EmS No. F-A, S-F

RID

UN-No 3082  
Hazard Class 9  
Packing group III  
Classification code M6

ADR

UN-No 3082  
Hazard Class 9  
Packing group III  
Classification code M6

**15. REGULATORY INFORMATION**International Inventories

TSCA Complies  
DSL/NDSL Complies  
EINECS/ELINCS Complies  
ENCS Does not comply  
IECSC Complies  
KECL Complies



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The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of MSDS



# Safety Data Sheet

Issuing Date 06-Nov-2015

Revision date 06-Nov-2015

Revision Number 3

## 1. IDENTIFICATION

### Product identifier

Product name Magnobond 6398-B

### Other means of identification

Product Code(s) 6398-B

UN-No 3267

Synonyms Magnolia 6398-B

### Recommended use of the chemical and restrictions on use

Recommended Use Amine curing agent.

Uses advised against No information available

### Details of the supplier of the safety data sheet

#### Manufacturer Address

Magnolia Advanced Materials  
4360 NE Expressway  
Atlanta, GA 30344

### Emergency telephone number

Company Phone Number (770) 451-2777  
Emergency telephone number INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)  
Account 79439

## 2. HAZARDS IDENTIFICATION

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1B

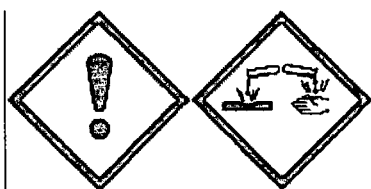
### Label elements

#### Emergency Overview

#### **DANGER**

#### Hazard statements

HARMFUL IF SWALLOWED  
Harmful in contact with skin  
Causes severe skin burns and eye damage  
May cause an allergic skin reaction

**Appearance** Off-white to amber**Physical state** Paste/Gel**Odor** Amine**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Do not breathe dusts or mists

Wear protective gloves/protective clothing/eye protection/face protection

Contaminated work clothing must not be allowed out of the workplace

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor

Specific treatment (see ? on this label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor

Call a POISON CENTER or doctor if you feel unwell

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Immediately call a POISON CENTER or doctor

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell

Rinse mouth

Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

Harmful to aquatic life with long lasting effects Harmful to aquatic life

Unknown acute toxicity

0.002 % of the mixture consists of ingredient(s) of unknown toxicity

<b>3. COMPOSITION/INFORMATION ON INGREDIENTS</b>
--

**Substance**

Not applicable

**Mixture****Synonyms**

Magnolia 6398-B.

**Formula**

Not Applicable-Mixture

Chemical Name	CAS-No	Weight %	Trade secret
Amine curing agent	Proprietary	30-60	*
Amine curing agent	Proprietary	15-40	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### Description of first aid measures

<b>General advice</b>	Remove from exposure, lie down. If symptoms persist, call a physician. Do not get in eyes, on skin, or on clothing. MAY CAUSE ALLERGIC SKIN REACTION.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately if symptoms occur.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>Inhalation</b>	Remove from exposure, lie down. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Get medical advice/attention.
<b>Self-protection of the first aider</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

##### Most important symptoms and effects, both acute and delayed

**Most Important Symptoms/Effects** No information available.

##### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Water spray, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol-resistant foam.

##### Specific hazards arising from the chemical

No information available.

##### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

**Other Information** Ventilate the area.

##### Environmental precautions

**Environmental precautions** Do not allow material to contaminate ground water system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

##### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.



# Safety Data Sheet

Issuing Date 08-Oct-2015

Revision date 06-Nov-2015

Revision Number 5

## 1. IDENTIFICATION

### Product identifier

**Product name** Magnobond 6398-A

### Other means of identification

**Product Code(s)** 6398-A  
**Synonyms** Magnolia 6398-A

### Recommended use of the chemical and restrictions on use

**Recommended Use** This product contains epoxy constituents that have an average molecular weight of less than or equal to 700.

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Manufacturer Address**

Magnolia Advanced Materials  
4360 NE Expressway  
Atlanta, GA 30344

### Emergency telephone number

**Company Phone Number** (770) 451-2777  
**Emergency telephone number** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)  
Account 79439

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Skin sensitization**

**Category 1**

### Label elements

#### **Emergency Overview**

#### **WARNING**

#### **Hazard statements**

May cause an allergic skin reaction



**Appearance** Gray

**Physical state** Paste/Gel

**Odor** Slight ethereal

#### **Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing must not be allowed out of the workplace  
Wear protective gloves

IF ON SKIN: Wash with plenty of water and soap  
If skin irritation or rash occurs: Get medical advice/attention  
Wash contaminated clothing before reuse

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

Causes mild skin irritation Harmful to aquatic life with long lasting effects Harmful to aquatic life

Unknown acute toxicity 55.2 % of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance**

Not applicable

**Mixture****Synonyms**

Magnolia 6398-A.

Chemical Name	CAS-No	Weight %	Trade secret
Trade secret	Proprietary	30-60	*
Aluminum	7429-90-5	25-50	*
Epoxy resin	Proprietary	5-15	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****Description of first aid measures****General advice**

Remove from exposure, lie down. If symptoms persist, call a physician. Do not get in eyes, on skin, or on clothing. MAY CAUSE ALLERGIC SKIN REACTION.

**Eye contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately if symptoms occur.

**Skin contact**

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**Inhalation**

Remove from exposure, lie down. If symptoms persist, call a physician.

**Ingestion**

Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Get medical advice/attention.

**Self-protection of the first aider**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**Most important symptoms and effects, both acute and delayed**

Most Important Symptoms/Effects No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Water spray, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol-resistant foam.

### Specific hazards arising from the chemical

No information available.

#### Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

**Other Information** Ventilate the area.

### Environmental precautions

**Environmental precautions** Do not allow material to contaminate ground water system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep away from open flames, hot surfaces and sources of ignition. Keep tightly closed in a dry and cool place.

**Incompatible Products** None known based on information supplied.

## 8. Exposure Controls/Personal Protection

### Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Aluminum	TWA: 1 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
7429-90-5		TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

<b>Eye/face protection</b>	No special protective equipment required.
<b>Skin and body protection</b>	No information available.
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** Wash hands before breaks and after work.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical state</b>	Paste/Gel	<b>Odor</b>	Slight ethereal
<b>Appearance</b>	Gray	<b>Odor threshold</b>	No information available
<b>Color</b>	No information available		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks/ • Method</u></b>
<b>PH</b>	No information available	
<b>Melting point / freezing point</b>	No information available	
<b>Boiling Point/Range</b>	107.3 °C 225 °F	
<b>Flash point</b>	> 93.4 °C / > 200 °F	
<b>Evaporation Rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Relative Density</b>	1.25	
<b>Water solubility</b>	Negligible	
<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	No information available	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Kinematic viscosity</b>	No information available	
<b>Dynamic viscosity</b>	No information available	
<b>Explosive properties</b>	No information available	
<b>Oxidizing properties</b>	No information available	

**Other Information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content</b>	Negligible
<b>Density</b>	No information available
<b>Bulk density</b>	No information available

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.



**Possibility of hazardous reactions**

None under normal processing.

**Hazardous polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

None known based on information supplied.

**Hazardous decomposition products**

Carbon oxides. Phenols. Aromatic hydrocarbons.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

The product has not been tested

**Inhalation**

There is no data available for this product.

**Eye contact**

There is no data available for this product.

**Skin contact**

There is no data available for this product.

**Ingestion**

There is no data available for this product.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Epoxy resin	= 11400 mg/kg ( Rat )	-	-

**Information on toxicological effects****Symptoms**

No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	No information available.
<b>MUTAGENIC EFFECTS</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 63,840.00 mg/kg

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Harmful to aquatic life with long lasting effects

46.4 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Persistence and degradability**

No information available.

**Bioaccumulation/Accumulation**

No information available.

Other adverse effects No information available

**13. DISPOSAL CONSIDERATIONS**Waste treatment methods

**Waste Disposal Method** Dispose of in accordance with local regulations.

**Contaminated packaging** Do not reuse container.

Chemical Name	California Hazardous Waste Status
Aluminum 7429-90-5	Ignitable (powder)

**14. TRANSPORT INFORMATION**

DOT Not regulated

ICAO

**UN-No** 3082  
**Hazard Class** 9  
**Packing group** III

IATA

**UN-No** 3082  
**Proper shipping name** Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)  
**Hazard Class** 9  
**Packing group** III

IMDG/IMO

**UN-No** 3082  
**Proper shipping name** Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin)  
**Hazard Class** 9  
**Packing group** III  
**EmS No.** F-A, S-F

RID

**UN-No** 3082  
**Hazard Class** 9  
**Packing group** III  
**Classification code** M6

ADR

**UN-No** 3082  
**Hazard Class** 9  
**Packing group** III  
**Classification code** M6

**15. REGULATORY INFORMATION**International Inventories

**TSCA** Complies  
**DSL/NDL** Complies  
**EINECS/ELINCS** Complies  
**ENCS** Does not comply  
**IECSC** Complies  
**KECL** Complies

PICCS Does not comply  
AICS Complies

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List  
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
ENCS - Japan Existing and New Chemical Substances  
IECSC - China Inventory of Existing Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
AICS - Australian Inventory of Chemical Substances

### U.S. Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

#### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### U.S. State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals

#### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Aluminum 7429-90-5	X	X	X

#### U.S. EPA Label Information

EPA Pesticide registration number Not applicable

### 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<u>NFPA</u>	Health hazard 2	Flammability 1	Instability 0	Physical and Chemical Hazards -
<u>HMIS</u>	Health hazard 2	Flammability 1	Physical hazards 0	Personal precautions B

Prepared by Magnolia Advanced Materials, Inc.  
4360 NE Expressway.  
Atlanta, GA 30340  
Issuing Date 08-Oct-2015  
Revision date 06-Nov-2015

Revision note  
No information available

#### Disclaimer

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The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of MSDS



# Safety Data Sheet

Issuing Date 06-Nov-2015

Revision date 06-Nov-2015

Revision Number 3

## 1. IDENTIFICATION

### Product identifier

Product name Magnobond 6398-B

### Other means of identification

Product Code(s) 6398-B

UN-No 3267

Synonyms Magnolia 6398-B

### Recommended use of the chemical and restrictions on use

Recommended Use Amine curing agent.

Uses advised against No information available

### Details of the supplier of the safety data sheet

#### Manufacturer Address

Magnolia Advanced Materials

4360 NE Expressway

Atlanta, GA 30344

### Emergency telephone number

Company Phone Number (770) 451-2777  
Emergency telephone number INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)  
Account 79439

## 2. HAZARDS IDENTIFICATION

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1B

### Label elements

#### Emergency Overview

#### **DANGER**

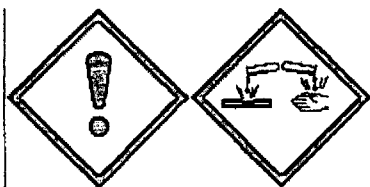
#### Hazard statements

HARMFUL IF SWALLOWED

Harmful in contact with skin

Causes severe skin burns and eye damage

May cause an allergic skin reaction

**Appearance** Off-white to amber**Physical state** Paste/Gel**Odor** Amine**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Do not breathe dusts or mists

Wear protective gloves/protective clothing/eye protection/face protection

Contaminated work clothing must not be allowed out of the workplace

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor

Specific treatment (see ? on this label)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor

Call a POISON CENTER or doctor if you feel unwell

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Immediately call a POISON CENTER or doctor

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell

Rinse mouth

Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

Harmful to aquatic life with long lasting effects Harmful to aquatic life

Unknown acute toxicity

0.002 % of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance**

Not applicable

**Mixture****Synonyms**

Magnolia 6398-B.

**Formula**

Not Applicable-Mixture

Chemical Name	CAS-No	Weight %	Trade secret
Amine curing agent	Proprietary	30-60	*
Amine curing agent	Proprietary	15-40	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****Description of first aid measures**

<b>General advice</b>	Remove from exposure, lie down. If symptoms persist, call a physician. Do not get in eyes, on skin, or on clothing. MAY CAUSE ALLERGIC SKIN REACTION.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately if symptoms occur.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>Inhalation</b>	Remove from exposure, lie down. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Get medical advice/attention.
<b>Self-protection of the first aider</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms/Effects** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Water spray, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol-resistant foam.

**Specific hazards arising from the chemical**

No information available.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

**Other Information** Ventilate the area.

**Environmental precautions**

**Environmental precautions** Do not allow material to contaminate ground water system. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE****Precautions for safe handling****Advice on safe handling**

Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

**Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep away from open flames, hot surfaces and sources of ignition. Keep tightly closed in a dry and cool place.

**Incompatible Products**

None known based on information supplied.

**8. Exposure Controls/Personal Protection****Control parameters****Exposure Limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls****Engineering Controls**

Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Safety glasses with side-shields.

**Skin and body protection**

Protective gloves.

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations**

Wash hands before breaks and after work.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties****Physical state**

Paste/Gel

**Appearance**

Off-white to amber

**Color**

No information available

**Odor**

Amine

**Odor threshold**

No information available

**Property****Values****Remarks/ - Method****PH**

No information available

**Melting point / freezing point**

No information available

**Boiling Point/Range**

107.3 °C 225 °F

**Flash point**

> 93.4 °C / > 200 °F

**Evaporation Rate**

No information available

**Flammability (solid, gas)**

No information available

**Flammability Limit in Air****Upper Flammability Limit**

No information available

**Lower Flammability Limit**

No information available

**Vapor pressure**

No information available

**Vapor density**

No information available

**Relative Density**

1.0



Water solubility	Negligible
Solubility in other solvents	No information available
Partition coefficient: n-octanol/water	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

**Other Information**

Softening point	No information available
Molecular weight	No information available
VOC Content	Negligible
Density	No information available
Bulk density	No information available

**10. STABILITY AND REACTIVITY****Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions. Hygroscopic.

**Possibility of hazardous reactions**

None under normal processing.

Hazardous polymerization      Hazardous polymerization does not occur.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

None known based on information supplied.

**Hazardous decomposition products**

Carbon oxides. Nitrogen oxides (NOx). Hydrogen cyanide. Ammonia. Hazardous decomposition products formed under fire conditions.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

<b>Product Information</b>	The product has not been tested
<b>Inhalation</b>	There is no data available for this product.
<b>Eye contact</b>	There is no data available for this product.
<b>Skin contact</b>	There is no data available for this product.
<b>Ingestion</b>	There is no data available for this product.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Amine curing agent	= 2140 µL/kg ( Rat )	= 880 µL/kg ( Rabbit )	-
Amine curing agent	= 4290 µL/kg ( Rat ) = 4290 mg/kg ( Rat )	= 2500 µL/kg ( Rabbit )	-

**Information on toxicological effects**

Symptoms      No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Amine curing agent	X	X	X

**U.S. EPA Label Information**

EPA Pesticide registration number Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>NFPA</b>	Health hazard 3	Flammability 1	Instability 0	Physical and Chemical Hazards -
<b>HMIS</b>	Health hazard 3	Flammability 1	Physical hazards 0	Personal precautions B

Prepared by Magnolia Advanced Materials, Inc.  
4360 NE Expressway.  
Atlanta, GA 30340

Issuing Date 06-Nov-2015  
Revision date 06-Nov-2015  
Revision note

No information available

**Disclaimer**

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End of MSDS

# SAFETY DATA SHEET



Date of issue/Date of revision 4 August 2016

Version 8

## Section 1. Identification

Product name : PS 890 B 2 Part A  
Product code : PS 890 B 2 Part A  
Other means of identification : Not available.  
Product type : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial applications.  
Use of the substance/ mixture : Sealants  
Uses advised against : Not applicable.

Manufacturer : PPG Aerospace PRC-DeSoto  
12780 San Fernando Road  
Sylmar, CA 91342  
Phone: 818 362 6711

Emergency telephone number : (412) 434-4515 (U.S.)  
(514) 645-1320 (Canada)  
01-800-00-21-400 (Mexico)

## Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).  
Classification of the substance or mixture : ACUTE TOXICITY (oral) - Category 4  
ACUTE TOXICITY (inhalation) - Category 4  
SKIN SENSITIZATION - Category 1  
CARCINOGENICITY - Category 2  
TOXIC TO REPRODUCTION (Fertility) - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (brain) - Category 2  
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 9.5%

### GHS label elements

Hazard pictograms :



Product code PS 890 B 2 Part A

Date of issue 4 August 2016

Version 8

Product name PS 890 B 2 Part A

## Section 2. Hazards identification

**Signal word** : Warning**Hazard statements** : Harmful if swallowed or if inhaled.  
May cause an allergic skin reaction.  
Suspected of damaging fertility.  
Suspected of causing cancer.  
May cause damage to organs through prolonged or repeated exposure. (brain)

### Precautionary statements

**Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.**Response** : Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.**Storage** : Store locked up.**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.**Supplemental label elements** : Sanding and grinding dusts may be harmful if inhaled. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.**Hazards not otherwise classified** : Oxidising potential : Contact with combustible material may cause fire. Keep away from clothing, incompatible materials and combustible materials. This material increases the risk of fire and may aid combustion. Prolonged or repeated contact may dry skin and cause irritation.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture**Product name** : PS 890 B 2 Part A

Ingredient name	%	CAS number
manganese dioxide	≥20 - ≤50	1313-13-9
Zeolites	≥5.0 - ≤10	1318-02-1
Polyphenyls, quater- and higher, partially hydrogenated	≥5.0 - ≤10	68956-74-1
Talc, not containing asbestiform fibres	≥1.0 - ≤4.9	14807-96-6
carbon black, respirable powder	≥1.0 - ≤5.0	1333-86-4
terphenyl	≥1.0 - ≤5.0	26140-60-3
1,3-diphenylguanidine	≥0.10 - ≤2.2	102-06-7
bis(piperidinothiocarbonyl) tetrasulphide	≥1.0 - ≤5.0	120-54-7

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

### Section 3. Composition/information on ingredients

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

#### Description of necessary first aid measures

- |                     |  |
|---------------------|--|
| <b>Eye contact</b>  | : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.  |
| <b>Inhalation</b>   | : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. |
| <b>Skin contact</b> | : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.   |
| <b>Ingestion</b>    | : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.  |

#### Most important symptoms/effects, acute and delayed

##### Potential acute health effects

- |                     |  |
|---------------------|--|
| <b>Eye contact</b>  | : No known significant effects or critical hazards.  |
| <b>Inhalation</b>   | : Harmful if inhaled.  |
| <b>Skin contact</b> | : Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction. |
| <b>Ingestion</b>    | : Harmful if swallowed.  |

##### Over-exposure signs/symptoms

- |                     |   |
|---------------------|---|
| <b>Eye contact</b>  | : No specific data.   |
| <b>Inhalation</b>   | : Adverse symptoms may include the following:<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations   |
| <b>Skin contact</b> | : Adverse symptoms may include the following:<br>irritation<br>redness<br>dryness<br>cracking<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations |
| <b>Ingestion</b>    | : Adverse symptoms may include the following:<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations   |

#### Indication of immediate medical attention and special treatment needed, if necessary

- |                           |   |
|---------------------------|---|
| <b>Notes to physician</b> | : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. |
|---------------------------|---|

## Section 4. First aid measures

- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
sulfur oxides  
metal oxide/oxides

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

## Section 6. Accidental release measures

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Special precautions** : Keep away from combustible materials. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
manganese dioxide	ACGIH TLV (United States, 3/2015). TWA: 0.1 mg/m <sup>3</sup> , (as Mn) 8 hours. Form: Inhalable fraction TWA: 0.02 mg/m <sup>3</sup> , (as Mn) 8 hours. Form: Respirable fraction OSHA PEL (United States, 2/2013). CEIL: 5 mg/m <sup>3</sup> , (as Mn)
Zeolites	ACGIH TLV (United States, 3/2015). TWA: 1 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction None.
Polyphenyls, quater- and higher, partially hydrogenated Talc, not containing asbestiform fibres	ACGIH TLV (United States, 3/2015). TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction OSHA PEL Z3 (United States, 2/2013). TWA: 20 mppcf 8 hours. Form: not containing asbestos
carbon black, respirable powder	ACGIH TLV (United States, 3/2015). TWA: 3 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction OSHA PEL (United States, 2/2013). TWA: 3.5 mg/m <sup>3</sup> 8 hours.
terphenyl	ACGIH TLV (United States, 3/2015). C: 5 mg/m <sup>3</sup> C: 0.53 ppm OSHA PEL (United States, 2/2013). CEIL: 9 mg/m <sup>3</sup> CEIL: 1 ppm
1,3-diphenylguanidine	None.
bis(piperidinothiocarbonyl) tetrasulphide	None.

#### Key to abbreviations

A = Acceptable Maximum Peak  
ACGIH = American Conference of Governmental Industrial Hygienists.  
C = Ceiling Limit  
F = Fume  
IPEL = Internal Permissible Exposure Limit  
OSHA = Occupational Safety and Health Administration.  
R = Respirable  
Z = OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

S = Potential skin absorption  
SR = Respiratory sensitization  
SS = Skin sensitization  
STEL = Short term Exposure limit values  
TD = Total dust  
TLV = Threshold Limit Value  
TWA = Time Weighted Average

#### Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.



## Section 8. Exposure controls/personal protection

- Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety glasses with side shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Gloves** : butyl rubber
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : Black.
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : Not available.
- Melting point** : Not available.
- Boiling point** : 360°C (680°F)
- Flash point** : Closed cup: Not applicable.

**Section 9. Physical and chemical properties**

Material supports combustion.	: Yes.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Evaporation rate	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 1.88
Density ( lbs / gal )	: 15.69
Solubility	: Insoluble in the following materials: cold water.
Partition coefficient: n-octanol/water	: Not available.
Viscosity	: Kinematic (40°C (104°F)): >0.21 cm <sup>2</sup> /s (>21 cSt)
VOC	: 0
% Solid. (w/w)	: 100

**Section 10. Stability and reactivity**

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products	: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
manganese dioxide	LD50 Oral	Rat	3478 mg/kg	-
Zeolites	LD50 Oral	Rat	>5 g/kg	-
carbon black, respirable powder	LD50 Dermal	Rabbit	>3 g/kg	-
terphenyl	LD50 Oral	Rat	>15400 mg/kg	-
1,3-diphenylguanidine	LD50 Oral	Rat	1400 mg/kg	-
	LD50 Oral	Rat	323 mg/kg	-

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Irritation/Corrosion

##### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.

**Eyes** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

#### Sensitization

##### Conclusion/Summary

**Skin** : There are no data available on the mixture itself.

**Respiratory** : There are no data available on the mixture itself.

#### Mutagenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Carcinogenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Classification

Product/ingredient name	OSHA	IARC	NTP
Zeolites	-	3	-
carbon black, respirable powder	-	2B	-

#### Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

#### Reproductive toxicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Teratogenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Specific target organ toxicity (single exposure)

**Section 11. Toxicological information**

Name	Category
Zeolites	Category 3
Talc, not containing asbestiform fibres	Category 3
1,3-diphenylguanidine	Category 3

**Specific target organ toxicity (repeated exposure)**

Name	Category
manganese dioxide	Category 2

**Target organs**

: Contains material which causes damage to the following organs: lungs, skin, central nervous system (CNS).  
Contains material which may cause damage to the following organs: blood, kidneys, the nervous system, liver, spleen, lymphatic system, cardiovascular system, upper respiratory tract, bone marrow, eye, lens or cornea.

**Aspiration hazard**

Not available.

**Information on the likely routes of exposure****Potential acute health effects**

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : Harmful if inhaled.  
**Skin contact** : Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.  
**Ingestion** : Harmful if swallowed.

**Over-exposure signs/symptoms**

**Eye contact** : No specific data.  
**Inhalation** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations  
**Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
dryness  
cracking  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations  
**Ingestion** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Conclusion/Summary** : There are no data available on the mixture itself. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

## Section 11. Toxicological information

### Short term exposure

Potential immediate effects : There are no data available on the mixture itself.

Potential delayed effects : There are no data available on the mixture itself.

### Long term exposure

Potential immediate effects : There are no data available on the mixture itself.

Potential delayed effects : There are no data available on the mixture itself.

### Potential chronic health effects

General : May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : Suspected of damaging fertility.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value
Oral	1099.7 mg/kg
Inhalation (gases)	10532.1 ppm
Inhalation (vapors)	25.75 mg/l
Inhalation (dusts and mists)	3.511 mg/l

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
terphenyl	Acute EC50 0.022 mg/l Chronic NOEC 0.00322 mg/l	Daphnia Daphnia	48 hours 72 hours

### Persistence and degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
terphenyl	-	-	Not readily

### Bioaccumulative potential

Product code PS 890 B 2 Part A

Date of issue 4 August 2016

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Product name PS 890 B 2 Part A

## Section 12. Ecological information

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
1,3-diphenylguanidine	1.69	19.95	low
bis(piperidinothiocarbonyl) tetrasulphide	2.8	16.98	low

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

## 14. Transport information

	DOT	IMDG	IATA
UN number	Not regulated.	UN3082	UN3082
UN proper shipping name	-	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (terphenyl, 1, 3-diphenylguanidine)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (terphenyl, 1, 3-diphenylguanidine)
Transport hazard class (es)	-	9	9
Packing group	-	III	III
Environmental hazards	No.	Yes.	Yes.
Marine pollutant substances	Not applicable.	(terphenyl, 1, 3-diphenylguanidine)	Not applicable.

### Additional information

DOT : None identified.

**14. Transport information**

- IMDG** : This product is not regulated as a dangerous good when transported in sizes of  $\leq 5$  L or  $\leq 5$  kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.
- IATA** : This product is not regulated as a dangerous good when transported in sizes of  $\leq 5$  L or  $\leq 5$  kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Section 15. Regulatory information****United States**

**United States inventory (TSCA 8b)** : All components are listed or exempted.

**SARA 302/304**

**SARA 304 RQ** : Not applicable.

**Composition/information on ingredients**

No products were found.

**SARA 311/312**

**Classification** : Immediate (acute) health hazard  
Delayed (chronic) health hazard

**Composition/information on ingredients**

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
manganese dioxide	No.	No.	No.	Yes.	Yes.
Zeolites	No.	No.	No.	Yes.	No.
Polyphenyls, quater- and higher, partially hydrogenated	No.	No.	No.	Yes.	No.
Talc, not containing asbestiform fibres	No.	No.	No.	Yes.	No.
carbon black, respirable powder	Yes.	No.	No.	No.	Yes.
terphenyl	No.	No.	No.	Yes.	No.
1,3-diphenylguanidine	Yes.	No.	No.	Yes.	Yes.
bis(piperidinothiocarbonyl)	Yes.	No.	No.	Yes.	No.
tetrasulphide					

**SARA 313**

Supplier notification	Chemical name	CAS number	Concentration
	: manganese dioxide	1313-13-9	30 - 60

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

**California Prop. 65**

**WARNING:** This product contains a chemical known to the State of California to cause cancer.

Product code PS 890 B 2 Part A

Date of issue 4 August 2016

Version 8

Product name PS 890 B 2 Part A

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health : 3 \* Flammability : 0 Physical hazards : 1

(\* ) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)

Health : 3 Flammability : 0 Instability : 1

Date of previous issue : 4/24/2016

Organization that prepared : EHS  
the MSDS

Key to abbreviations : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973  
as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

✓ Indicates information that has changed from previously issued version.

### Disclaimer

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.*



# SAFETY DATA SHEET



Date of issue/Date of revision 2 July 2016  
Version 6.01

## Section 1. Identification

Product name : PS 890 B 2 Part B  
Product code : PS 890 B 2 Part B  
Other means of identification : Not available.  
Product type : Solid.

### Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial applications.  
Use of the substance/  
mixture : Sealants  
Uses advised against : Not applicable.

Manufacturer : PPG Aerospace PRC-DeSoto  
12780 San Fernando Road  
Sylmar, CA 91342  
Phone: 818 362 6711

Emergency telephone number : (412) 434-4515 (U.S.)  
(514) 645-1320 (Canada)  
01-800-00-21-400 (Mexico)

## Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN IRRITATION - Category 2  
CARCINOGENICITY - Category 2  
TOXIC TO REPRODUCTION (Unborn child) - Category 2  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2  
Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 8.5%

### GHS label elements

Hazard pictograms :



Signal word : Warning

Product code PS 890 B 2 Part B

Date of issue 2 July 2016

Version 6.01

Product name PS 890 B 2 Part B

## Section 2. Hazards identification

**Hazard statements** : Causes skin irritation.  
Suspected of damaging the unborn child.  
Suspected of causing cancer.  
May cause damage to organs through prolonged or repeated exposure.

### Precautionary statements

**Prevention** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection.  
Wear protective clothing. Do not breathe dust. Wash hands thoroughly after handling.

**Response** : Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention.

**Storage** : Store locked up.

**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Supplemental label elements** : **1-component mixtures:** formaldehyde is released during curing. Formaldehyde may cause irreversible effects, is irritating to the mucous membranes and may cause skin sensitization. Avoid contact with skin and clothing. Wash thoroughly after handling.  
Emits toxic fumes when heated.

**Hazards not otherwise classified** : Prolonged or repeated contact may dry skin and cause irritation.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

**Product name** : PS 890 B 2 Part B

Ingredient name	%	CAS number
Proprietary modified polysulfide polymer	≥5.0 - ≤8.4	Not available.
toluene	≥1.0 - ≤5.0	108-88-3
titanium dioxide	≥1.0 - ≤5.0	13463-67-7
proprietary modified polysulfide polymer	≤1.5	Not available.
Formaldehyde, oligomeric reaction products with phenol	<1.0	9003-35-4
thiram (ISO)	<1.0	137-26-8

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

### Description of necessary first aid measures

- Eye contact** : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes skin irritation. Defatting to the skin.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
dryness  
cracking  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

## Section 4. First aid measures

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
halogenated compounds  
metal oxide/oxides

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

## Section 6. Accidental release measures

- Small spill** : Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Special precautions** : If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

**Section 8. Exposure controls/personal protection**

Ingredient name	Exposure limits
proprietary modified polysulfide polymer toluene	None. <b>OSHA PEL Z2 (United States, 2/2013).</b> AMP: 500 ppm 10 minutes. CEIL: 300 ppm TWA: 200 ppm 8 hours.
titanium dioxide	<b>ACGIH TLV (United States, 3/2015).</b> TWA: 20 ppm 8 hours. <b>OSHA PEL (United States, 2/2013).</b> TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust <b>ACGIH TLV (United States, 3/2015).</b> TWA: 10 mg/m <sup>3</sup> 8 hours.
proprietary modified polysulfide polymer Formaldehyde, oligomeric reaction products with phenol thiram (ISO)	None. None. <b>ACGIH TLV (United States, 3/2015). Skin sensitizer.</b> TWA: 0.05 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction and vapor <b>OSHA PEL (United States, 2/2013).</b> TWA: 5 mg/m <sup>3</sup> 8 hours.

**Key to abbreviations**

A = Acceptable Maximum Peak  
 ACGIH = American Conference of Governmental Industrial Hygienists.  
 C = Ceiling Limit  
 F = Fume  
 IPEL = Internal Permissible Exposure Limit  
 OSHA = Occupational Safety and Health Administration.  
 R = Respirable  
 Z = OSHA 29 CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

S = Potential skin absorption  
 SR = Respiratory sensitization  
 SS = Skin sensitization  
 STEL = Short term Exposure limit values  
 TD = Total dust  
 TLV = Threshold Limit Value  
 TWA = Time Weighted Average

**Consult local authorities for acceptable exposure limits.**

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## Section 8. Exposure controls/personal protection

**Eye/face protection** : Chemical splash goggles.

**Skin protection**

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

## Section 9. Physical and chemical properties

**Appearance**

**Physical state** : Solid.

**Color** : White.

**Odor** : Not available.

**Odor threshold** : Not available.

**pH** : Not available.

**Melting point** : Not available.

**Boiling point** : Not available.

**Flash point** : Closed cup: 67.22°C (153°F)

**Material supports combustion.** : Yes.

**Auto-ignition temperature** : Not available.

**Decomposition temperature** : Not available.

**Flammability (solid, gas)** : Not available.

**Lower and upper explosive (flammable) limits** : Lower: 1%

**Evaporation rate** : Not available.

**Vapor pressure** : Not available.

**Vapor density** : Not available.

**Relative density** : 1.5

**Density ( lbs / gal )** : 12.52

**Solubility** : Insoluble in the following materials: cold water.

Product code PS 890 B 2 Part B

Date of issue 2 July 2016

Version 6.01

Product name PS 890 B 2 Part B

## Section 9. Physical and chemical properties

Partition coefficient: n-octanol/water : Not available.

Viscosity : Kinematic (40°C (104°F)): Not applicable.

VOC : 57 g/l

## Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : When exposed to high temperatures may produce hazardous decomposition products.  
Refer to protective measures listed in sections 7 and 8.Incompatible materials : Keep away from the following materials to prevent strong exothermic reactions:  
oxidizing agents, strong alkalis, strong acids.

Hazardous decomposition products : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
toluene	LC50 Inhalation Vapor	Rat	49 g/m <sup>3</sup>	4 hours
	LC50 Inhalation Vapor	Rat	8000 ppm	4 hours
	LD50 Dermal	Rabbit	8.39 g/kg	-
titanium dioxide thiram (ISO)	LD50 Oral	Rat	636 mg/kg	-
	LD50 Oral	Rat	>11 g/kg	-
	LC50 Inhalation Dusts and mists	Rat	4420 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rat	>5000 mg/kg	-
	LD50 Oral	Rat	560 mg/kg	-

Conclusion/Summary : There are no data available on the mixture itself.

#### Irritation/Corrosion

##### Conclusion/Summary

Skin : There are no data available on the mixture itself.

Eyes : There are no data available on the mixture itself.

Respiratory : There are no data available on the mixture itself.

#### Sensitization

##### Conclusion/Summary

Skin : There are no data available on the mixture itself.



**Section 11. Toxicological information**

**Respiratory** : There are no data available on the mixture itself.

**Mutagenicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

**Carcinogenicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

**Classification**

Product/ingredient name	OSHA	IARC	NTP
toluene	-	3	-
titanium dioxide	-	2B	-
thiram (ISO)	-	3	-

**Carcinogen Classification code:**

IARC: 1, 2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

**Reproductive toxicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

**Teratogenicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

**Specific target organ toxicity (single exposure)**

Name	Category
proprietary modified polysulfide polymer	Category 3
toluene	Category 3
proprietary modified polysulfide polymer	Category 3

**Specific target organ toxicity (repeated exposure)**

Name	Category
toluene	Category 2
thiram (ISO)	Category 2

**Target organs**

: Contains material which causes damage to the following organs: brain, central nervous system (CNS).  
Contains material which may cause damage to the following organs: blood, kidneys, the reproductive system, liver, heart, upper respiratory tract, skin, eye, lens or cornea.

**Aspiration hazard**

Name	Result
toluene	ASPIRATION HAZARD - Category 1

**Information on the likely routes of exposure****Potential acute health effects**

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : Causes skin irritation. Defatting to the skin.  
**Ingestion** : No known significant effects or critical hazards.

## Section 11. Toxicological information

### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
dryness  
cracking  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations
- Ingestion** : Adverse symptoms may include the following:  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

### Delayed and immediate effects and also chronic effects from short and long term exposure

- Conclusion/Summary** : There are no data available on the mixture itself. **1-component mixtures:** formaldehyde is released during curing. Formaldehyde may cause irreversible effects, is irritating to the mucous membranes and may cause skin sensitization. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

### Short term exposure

- Potential immediate effects** : There are no data available on the mixture itself.
- Potential delayed effects** : There are no data available on the mixture itself.

### Long term exposure

- Potential immediate effects** : There are no data available on the mixture itself.
- Potential delayed effects** : There are no data available on the mixture itself.

### Potential chronic health effects

- General** : May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

**Section 11. Toxicological information**

- Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : Suspected of damaging the unborn child.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

**Numerical measures of toxicity****Acute toxicity estimates**

Route	ATE value
Oral	16598.2 mg/kg

**Section 12. Ecological information****Toxicity**

Product/ingredient name	Result	Species	Exposure
Titanium dioxide thiram (ISO)	Acute LC50 >100 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute EC50 0.04 mg/l Marine water	Algae - Nannochloropsis oculata	72 hours
	Acute LC50 0.02 mg/l Marine water	Crustaceans - Artemia franciscana - Nauplii	48 hours
	Acute LC50 0.01 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours

**Persistence and degradability**

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Toluene	-	-	Readily

**Bioaccumulative potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Toluene thiram (ISO)	2.73	8.32	low
	1.73	3.39	low

**Mobility in soil**

Soil/water partition  
coefficient (K<sub>oc</sub>) : Not available.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

## 14. Transport information

	DOT	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class (es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.
Product RQ (lbs)	4412.8	Not applicable.	Not applicable.
RQ substances	(thiram (ISO), toluene)	Not applicable.	Not applicable.

### Additional information

**DOT** : Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

**IMDG** : None identified.

**IATA** : None identified.

**Special precautions for user** : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Product code PS 890 B 2 Part B

Date of issue 2 July 2016

Version 6.01

Product name PS 890 B 2 Part B

## Section 15. Regulatory information

### United States

United States inventory (TSCA 8b) : All components are listed or exempted.

#### SARA 302/304

SARA 304 RQ : Not applicable.

#### Composition/information on ingredients

No products were found.

#### SARA 311/312

Classification : Immediate (acute) health hazard  
Delayed (chronic) health hazard

#### Composition/information on ingredients

Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
proprietary modified polysulfide polymer	No.	No.	No.	Yes.	No.
toluene	Yes.	No.	No.	Yes.	Yes.
titanium dioxide	No.	No.	No.	No.	Yes.
proprietary modified polysulfide polymer	No.	No.	No.	Yes.	No.
Formaldehyde, oligomeric reaction products with phenol	Yes.	No.	No.	Yes.	No.
thiram (ISO)	Yes.	No.	No.	Yes.	Yes.

#### SARA 313

Supplier notification	Chemical name	CAS number	Concentration
	toluene	108-88-3	1 - 5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

#### California Prop. 65

**WARNING:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health : 2 \* Flammability : 2 Physical hazards : 0

(\*) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)

Health : 2 Flammability : 2 Instability : 0

Date of previous issue : 4/24/2016

United States

Page: 13/14

**Section 16. Other information**

Organization that prepared the MSDS : EHS

Key to abbreviations : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

✓ Indicates information that has changed from previously issued version.

**Disclaimer**

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.*

03/29/17

## CUSTOMS INVOICE/PACKING SHEET

UPC VENDOR	INVOICE NO.	ON DOCK
000000	5044994-00	04/17/17
PROMISED	REQUEST	SHIPPED
03/30/17	03/30/17	
CUSTOMER P.O.		

5044994-00

SOLD TO: AVIALL DISTRIBUTION GROUP  
ATTENTION A/P DEPARTMENT  
P.O. BOX 619048

SHIP TO: AVIALL DISTRIBUTION GROUP  
2750 REGENT BLVD.  
2750 REGENT BLVD.

FORWARD TO:

DALLAS, TX 75261-9048 US

DFW AIRPORT, TX 75261 US

Pref. Routing FED EX GROUND VAT#N/A

VAT#

P.O. NUMBER	ITEM NO.	PART NUMBER	ICN No.	QTY	UOM	UNIT PRICE	TOTAL VALUE	COUNTRY OF ORIGIN	QUANTITY ORDERED	QUANTITY B.O.	QUANTITY SHIPPED
0045630123	10	MS21919WCF8		50.00	EA				50.00	0.00	50.00
		ECCN# EAR99									
		Desc: CLAMP									
		PCAT: S									
		HS# 7326.90.8695	481441	50.00		Cure: 1Q2016		US			
		MFR- Name: KIRK HILL-TA CO.									
		Revision: E									
		Lot: Q26893-002									
		KAPCO GLOBAL CERTIFIES THAT WE ARE ACCREDITED TO FAA									
		AC-0056A FOR SHIPMENTS MADE FROM U.S. SITES.									
		THE ITEM(S) IDENTIFIED HEREIN CONFORM TO AN									
		ESTABLISHED INDUSTRY, U.S. GOVERNMENT, OR									
		COMMERCIAL STANDARD.									
		S/L: 7 YRS PER MFR.									
		INSP BY: Mark A. Avery 03/29/2017									

ITEM MS21919WCF8=15



BATCH 7364518202



SSOMSANIT  
04/05/17

PAGE 1

The merchandise listed has been produced in accordance with Fair Labor Standards Act of 1938 as amended. No claims allowed unless made within ten (10) days after receipts of Goods and in no case shall the liability assumed by us under the guarantees either expressed or implied, exceed the face value of the invoice for the merchandise in question.

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

SHIPPED UNDER NLR

\*UNLESS OTHERWISE SPECIFIED ON LINE ITEM

FOR CUSTOMS PURPOSES ONLY DO NOT PAY FROM THIS DOCUMENT.

Terms of Sale - Incoterms-2010; EXW: Essex, CT



## CERTIFICATE OF CONFORMANCE

WE HEREBY CERTIFY THAT THE PRODUCT SUPPLIED IS NEWLY MANUFACTURED, AND MEETS ALL REQUIREMENTS OF THE APPLICABLE PURCHASE ORDER. EVIDENCE OF CONFORMANCE IS ON FILE AND AVAILABLE FOR REVIEW UPON REQUEST.

GARY D. PHILLIPS  
DIRECTOR, CORPORATE QUALITY

Thank You For This Order  
PACKING LIST

AVIALL - TRUE CERTIFIED COPY | 05/05/2017 | Ship #: 8004437763 | Line: 70 | 7364518202 | Qty: 10 | CPO: 36189

# Esterline

Engineered Materials

Kirkhill-TA Co.  
TA Aerospace  
Kirkhill Elastomers

28065 Franklin Parkway  
Valencia, CA 91355  
Phone: 661.775.1100  
Fax: 661.775.1155

## Shipper

BILL TO:  
KAPCO GLOBAL  
ATTN: AMBER CHAO, ACCTNG  
3120 E. ENTERPRISE STREET

BREA

92821

CA

CENTERBROOK

06409

CT

SHIP TO:  
KAPCO - GLOBAL CT  
1 INDUSTRIAL PARK ROAD

### PACKING LIST

S.O. NUMBER Q26893	RVSN 0	DATE 08/22/16	PAGE 1
CUSTOMER ORDER NO. 478505-00			
SHIPMENT ID NO. 1957081		DATE SHIPPED	
SHIP VIA		FOB FOBO	PPD XXX
SA 0023			
TERMS NET 45 DAYS			

BILL TO CUSTOMER ▶ 762400

SHIP TO CUSTOMER ▶ 762409

TA

ITEM	PRODUCT NUMBER	DESCRIPTION	# OF CARTONS/ WEIGHT	CURR QTY THIS ORD.	QTY SHIPPED	NEW QTY BACK ORD.
2	MS21919WCF8	LOOP CLAMP CUST. PART: JC EAR 9A991.d JC THE COMMODITIES, TECHNOLOGY, OR SOFTWARE IN THIS JC SHIPMENT ARE CONTROLLED BY THE BUREAU OF INDUSTRY, JC EXPORT ADMINISTRATION REGULATIONS (EAR) AND IF JC EXPORTED AND/OR SUBSEQUENTLY RE-EXPORTED MUST BE JC EXPORTED/RE-EXPORTED IN ACCORDANCE WITH THE EXPORT JC ADMINISTRATION REGULATIONS. DIVERSION CONTRARY JC TO UNITED STATES' LAW IS PROHIBITED. JC TECHNOLOGY: EAR 9E991 JC SCHED B 7326.90.8530 REV: E CUSTOMER PO LINE NO: 2 JC C OF C REQ'D JC KAPCO QUALITY CLAUSES: QC1, QC7 AND QC13 JC STATEMENT OF COUNTRY OF ORIGIN IS REQUIRED ON C OF C JC FOR QUALITY CLAUSES SEE: <a href="http://www/kapcoaero.com/">HTTP://WWW/KAPCOAERO.COM/</a> JC SUPPLIER-SERVICES/SUPPLIER-LINKS JC BAR CODE LABELS REQUIRED WITH THIS SHIPMENT FOUND ON JC KAPCO WEBSITE <a href="http://www.kapcoaero.com">WWW.KAPCOAERO.COM</a> JC ALL SHELF LIFE SENSITIVE MATERIALS MUST HAVE A MINIMUM JC OF 80% SHELF LIFE REMAINING JC OK TO SHIP EARLY UNLESS OTHERWISE STATED JC SHIP VIA- UPS GROUND ACCT# 979375  THIS PRODUCT IS SHIPPED FROM:	SCHED SHIP: 11/14/16	503	503	

RECEIVED

NOV 23 2016

STR. 481441



The following is only applicable to shipments exported outside of the United States: "These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. law is prohibited."  
Certification. It is hereby certified that all articles herewith furnished, in quantities as called for in above purchase order are in conformance with requirements, specifications and drawings applicable to the order. Applicable test reports and for certifications are on file for review as required.

ICN: 481441, Doc Date: 11/28/2016 CERTIFIED TRUE COPY

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## Engineered Materials Group

TA Aerospace  
28065 Franklin Parkway  
Valencia, CA 91355-4117

Tel: 661-775-1100  
www.kirkhill-ta.com  
NYSE Symbol: ESL

## Certificate of Conformance

Part Number MS21919WCF8 TA Order No. Q26893  
Dwg Rev E Part Name LOOP CLAMP  
Cust. Name KAPCO - GLOBAL CT Quantity 503  
Cage Code 84971 Cust. PO No. 478505-00  
Ship Date 11/16/16 Cure Date 1Q16 Lot No. Q26893-002  
Country of Origin \_\_\_\_\_ Unit of Measure (if applicable) \_\_\_\_\_

**SHELF LIFE 7 YEARS**

We hereby certify the products (articles) produced have been manufactured and tested in accordance with the applicable purchase order, drawing and specifications. All manufacturing processes have been performed under third party approved AS9100 Quality Management System.

Test reports are on file and available for review to substantiate conformance on the above product. Raw material used to manufacture these parts conform to applicable sections DFARS 252.225.7008 & 252.225.7009 preference for domestic specialties metals.

No asbestos (or asbestos compounds) has come in contact with our products while in production at our facility. No mercury (or mercury compounds) has come in contact with our products while in production at our facility.

### Boeing (if applicable)

Seller hereby acknowledges that the parts and / or materials being shipped under this order are intended for use under Boeing's Federal Aviation Administration (FAA) issued production certificate 700.

### Pratt & Whitney (if applicable)

Parts have been controlled to PWA requirements for LCS per PWA MCL Manual Section F-17.

### Northrup Grumman (if applicable)

No prohibited materials are present to their deliverable product per Q44.

### If product is labelled as TSO-C171

TSO-C171 all manufacturing processes have been performed under third party approved AS9100 Quality Management System. Test reports are on file and available for review to substantiate conformance on the above product. The parts identified as TSO have been inspected per TSO-C171. The conditions and test required for TSO approval of this article are minimum performance standards. Aircraft clamps approved under this TSO are not necessarily interchangeable with other aircraft clamps approved under widely substituted only if acceptable to or approved by the administrator.

Quality  
Assurance  
Inspector:

ORLANDO TRUJILLO

Date: 11/16/16

Stamp:



Form W107-005D

Esterline Engineered Materials and TA Aerospace are marketing names for Kirkhill-TA Co., a wholly owned subsidiary of Esterline Technologies Corporation

08/17/16

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2655 Harrison Ave SW  
Canton, OH 44706  
Ph: 330-430-6190, Fax: 330-430-6199,

# Packing Slip Original

Invoice #: 148716

Invoice Date: 3/2/2017

Time: 10:24:11 AM

Page: 1

**To:**  
AVIALLAEROSPACE TEXAS  
PO BOX 619048  
DFW AIRPORT  
DALLAS, TX 75261-0000  
USA  
ATTN: REJOE JACOB  
Ph: 972-586-1903 Fax: 972-586-7995

**Ship To:**  
AVIALLAEROSPACE TEXAS  
2750 REGENT BLVD.  
DFW AIRPORT  
DALLAS, TX 75261-0000

Cust. PO#: 45572954

Order Date: 12/29/2016

Prepared By:

Customer #: 15195

Buyer: REJOE JACOB

WO #:

Terms: NET 30

# of Items: 1

Sales Order: 121723

VAT #:

FOB:

Ship Via: FED EX MOTOR FRESHip Via: Acc:

# of Boxes: 36

Ship Log #: 1

Cust VAT #:

AWB:

Weight: 939

Ship Order:

Ship Date: 3/2/2017

Shipment:

Item	Part Number/Description	Shipped	BackOrd	CD	List Price	Disc	Unit Price	UOM	Total Amt
2	MS21042L3 NUT, MS Loc/Whse: BIN BOX Control #: 154891-1 L-26739  1. 10 PC PER PACK 2. 100 PC PER PACK	54100	20900	NE				EA	
<div>ITEM MS21042L3=28</div> <div></div> <div>BATCH 7364495914</div> <div></div> <div>SPHOMVILAY 03/09/17</div>									

C OF C ENCLOSED  
36 BOXES - 1 PALLET  
INV# 148716-148732 ARE SHIPPING TOGETHER  
PARTS MANUFACTURED IN THE USA!!  
THANK YOU!

Special Instructions:

Authorized Signature:



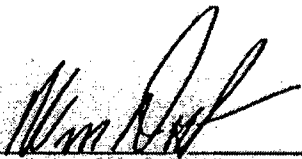
2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

**CERTIFICATE OF CONFORMANCE**

**AVIALL AEROSPACE**

I hereby certify that on 03/1/17 Airfasco Industries provided the supplies called for by Contract/ PO Number 45572954 in accordance with all applicable requirements for shipment. I further state/ that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States.

Quality Assurance Representative

  
WM. DENT

PART NUMBER	LOT NUMBER	QUANTITY	PART NUMBER	LOT NUMBER	QUANTITY
MS21042L3	26739	54100			



2655 Harrison Ave SW  
Canton, OH 44706  
Ph: 330-430-6190, Fax: 330-430-6199,

# Packing Slip Original

Invoice #: 148320

Invoice Date: 2/1/2017

Time: 1:34:23 PM

Page: 1

## To:

AVIALL AEROSPACE TEXAS  
PO BOX 619048  
DFW AIRPORT  
DALLAS, TX 75261-0000  
USA  
ATTN: REJOE JACOB  
Ph: 972-586-1903 Fax: 972-586-7995

## Ship To:

AVIALL AEROSPACE TEXAS  
2750 REGENT BLVD.  
DFW AIRPORT  
DALLAS, TX 75261-0000

Cust. PO#: 45592658

Terms: NET 30

Ship Via: FED EX MOTOR FRESHip Via Acc:

Order Date: 1/31/2017

# of Items: 1

# of Boxes: 27

Weight: 934

Prepared By:

Sales Order: 122077

Ship Log #: 1

Ship Order:

Customer #: 15195

VAT #:

Cust VAT #:

Ship Date: 2/1/2017

Buyer: REJOE JACOB

FOB:

AWB:

Shipment:

WO #:

Item	Part Number/Description	Shipped	BackOrd	CD	List Price	Disc	Unit Price	UOM	Total Amt.
1	AN4-11A BOLT, AN Loc/Whse: 4D4 Control #: 154516-1 L-26030 50 PC PER PACK	8200	1800	NE				EA	

ITEM AN4-11A=28



BATCH 7364473748



TDEMBY  
02/08/17

C OF C ENCLOSED

27 BOXES 974 LBS

INV# 148311 148320 ARE SHIPPING TOGETHER

PARTS MANUFACTURED IN THE USA!!

THANK YOU!

Special Instructions:

Authorized Signature:




2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

**CERTIFICATE OF CONFORMANCE**

**AVIALL AEROSPACE**

I hereby certify that on **02/01/17** Airfasco Industries provided the supplies called for by Contract/ PO Number **45592658** in accordance with all applicable requirements for shipment. I further state/ that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States.

Quality Assurance Representative

  
WM. DENT

PART NUMBER	LOT NUMBER	QUANTITY	PART NUMBER	LOT NUMBER	QUANTITY
AN4-11A	26030	8200			

GO  
LIN

WE  
WIT



CUST PO NO SO NO  
\*45570901 542363  
FROM: 800 CLEARWATER LOOP  
BILD INDUSTRIES, INC. POST FALLS, ID 83854



CUST PO NO SO NO  
445570903 542363  
FROM: 800 CLEARWATER LOOP  
BILD INDUSTRIES, INC. POST FALLS, ID 83854



CUST PO NO                      SO NO  
#45570903                      542363

FROM:  
**BILD INDUSTRIES, INC.**

800 CLEARWATER LOOP  
POST FALLS, ID 83854

AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261

AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261

AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261

CUSTOMER BILL TO ADDRESS

AVIALL SERVICES, INC.  
ATTN. AP DEPT.  
P.O. BOX 619048  
DALLAS TX

TX 752619048

COMPLETE CUSTOMER PO NO.

\*45570903

BUYER NAME & PHONE NO.

LANA

## BILL TO NO.

SHIP TO NO.	PAGE
-------------	------

AS1007

YIT 15

**STUDY**

## PACKING SLIP

**RESPECT IMMEDIATELY**

[illegible]

02/01/17

TEM AN4-20A=28

**BATCH 7364187629**

### CERTIFICATION OF CONFORMANCE

WE HEREBY CERTIFY THAT THE MERCHANDISE INCLUDED ON THIS PACKING LIST IS IN CONFORMANCE WITH AN MS-NAS OR APPLICABLE SPECIFICATIONS AND OR DRAWINGS.

CAGE CODE 31222

DATE \_\_\_\_\_

QUALITY CONTROL MANAGER

DATE SHIPPED: SHIPPED VIA:

SIGNATURE: MERCHANDISE RECEIVED

**F**

**MAC FASTENERS, INC.**  
**1110 ENTERPRISE**  
**OTTAWA, KANSAS 66067**

**CERTIFICATE OF CONFORMANCE  
AND  
MANUFACTURER'S AFFIDAVIT**

CUSTOMER BILD INDUSTRIES

PO: 89433

PART NUMBER: AN4-20A

REV: 3

LOT NUMBER: 84220

MANUFACTURED QUANTITY: 30,000

MILL HEAT NUMBER: 8290962

COUNTRY OF ORIGIN: UNITED STATES OF AMERICA

DFARS 252.225.7009 Compliant

**MERCURY FREE CERTIFICATION**

MacFasteners certifies that the parts referenced in the above lot number  
do not contain Mercury or Mercury compounds, and were  
manufactured in a Mercury free environment.

We certify that the parts furnished against the above referenced purchase order were manufactured by MAC  
FASTENERS within the United States, and were processed in accordance with all applicable drawings and  
specifications. Objective evidence of compliance is on file, subject to examination upon request.

Mac Fasteners is a DISC QSLM approved Manufacturer - CAGE Code 0RFT4  
Mac Fasteners is an Airbus approved Supplier - 203399

DATE: 07/25/16

  
QUALITY ASSURANCE REPRESENTATIVE



2655 Harrison Ave SW  
Canton, OH 44706  
Ph: 330-430-6190, Fax: 330-430-6199,

# Packing Slip Original

Invoice #: 148109  
Invoice Date: 12/31/2016  
Time: 1:44:27 PM  
Page: 1

**To:**  
AVIALL AEROSPACE TEXAS  
PO BOX 619048  
DFW AIRPORT  
DALLAS, TX 75261-0000  
USA  
ATTN: REJOE JACOB  
Ph: 972-586-1903 Fax: 972-586-7995

**Ship To:**  
AVIALL AEROSPACE TEXAS  
2750 REGENT BLVD.  
DFW AIRPORT  
DALLAS, TX 75261-0000

Cust. PO#: 45583853	Terms: NET 30	Ship Via: FED EX GROUND	Ship Via Acc: 123985630
Order Date: 1/17/2017	# of Items: 1	# of Boxes: 30	Weight: 839
Prepared By:	Sales Order: 121892	Ship Log #: 1	Ship Order:
Customer #: 15195	VAT #:	Cust VAT #:	Ship Date: 1/18/2017
Buyer: REJOE JACOB	FOB:	AWB:	Shipment:
WO #:			

Item	Part Number/Description	Shipped	BackOrd	CD	List Price	Disc	Unit Price	UOM	Total Amt
1	AN3-35A BOLT, AN Loc/Whse: 4F7 Control #: 154312-1 L-12895  10 PC PER PACK	500	0	NE				EA	
<div>ITEM AN3-35A = 28</div> <div></div> <div>BATCH 7364462961</div> <div></div> <div>TPHONQ2AVAN</div> <div>01/25/17</div>									

C OF C ENCLOSED  
30 BOXES 839 LBS  
PARTS MANUFACTURED IN THE USA!!  
THANK YOU!

Special Instructions:

Authorized Signature:





2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

**CERTIFICATE OF CONFORMANCE**

**AVIALL AEROSPACE**

I hereby certify that on **01/18/17** Airfasco Industries provided the supplies called for by Contract/ PO Number **45583853** in accordance with all applicable requirements for shipment. I further state/ that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States.

Quality Assurance Representative

  
WM. DENT

PART NUMBER	LOT NUMBER	QUANTITY	PART NUMBER	LOT NUMBER	QUANTITY
AN3-35A	12895	500			

01/26/17

## CUSTOMS INVOICE/PACKING SHEET



4987766-00

SHIPPER: KAPCO GLOBAL  
1 INDUSTRIAL PARK RD.  
CENTERBROOK, CT 06409

UPC VENDOR	INVOICE NO.	ON DOCK
000000	4987766-00	02/10/17
PROMISED	REQUEST	SHIPPED
01/26/17	01/26/17	
CUSTOMER P.O.		

SOLD TO: AVIAL DISTRIBUTION GROUP  
ATTENTION A/P DEPARTMENT  
P.O. BOX 619048

SHIP TO: AVIAL DISTRIBUTION GROUP  
2750 REGENT BLVD.  
2750 REGENT BLVD.

DALLAS, TX 75261-9048 US

DFW AIRPORT, TX 75261 US

Pref. Routing FED EX GROUND

ITEM MS29512-06=15



BATCH 7364470756



AWASHINGTON  
02/03/17

P.O. NUMBER	ITEM NO.	PART NUMBER	ICN No.	QTY	UOM	UNIT PRICE	TOTAL VALUE	COUNTRY OF ORIGIN	QUANTITY ORDERED	QUANTITY B.O.	QUANTITY SHIPPED
0045589973	10	MS29512-06		5000.00	EA	0.08	400.00		5000.00	0.00	5000.00
		ECCN# 9a991.d									
		Desc: PACKING									
		PCAT: S									
		HS# 4016.93.0000									
		MFR- Name: PARKER HANNIFIN	394518-02	493.00		Cure: 4Q2014		MX			
		Revision: A									
		MFR- Batch: 0080234129									
		MFR- Name: PARKER HANNIFIN	414325-01	737.00		Cure: 1Q2015		MX			
		MFR- Batch: 0080240349									
		MFR- Name: PARKER HANNIFIN	429514-01	795.00		Cure: 2Q2015		MX			
		Revision: B									
		MFR- Batch: 0080245155									
			429514-02	525.00		Cure: 3Q2015		MX			

The merchandise listed has been produced in accordance with Fair Labor Standards Act of 1938 as amended. No claims allowed unless made within ten (10) days after receipt of Goods and in no case shall the liability assumed by us under the guarantees either expressed or implied, exceed the face value of the invoice for the merchandise in question.

TOTAL BOX VALUE:

PAGE 1

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

SHIPPED UNDER NLR

UNLESS OTHERWISE SPECIFIED ON LINE ITEM

FOR CUSTOMS PURPOSES ONLY. DO NOT PAY FROM THIS DOCUMENT.

Terms of Sale - Incoterms-2010; EXW; Essex, CT



## CERTIFICATE OF CONFORMANCE

WE HEREBY CERTIFY THAT THE PRODUCT SUPPLIED IS NEWLY MANUFACTURED, AND MEETS ALL REQUIREMENTS OF THE APPLICABLE PURCHASE ORDER. EVIDENCE OF CONFORMANCE IS ON FILE AND AVAILABLE FOR REVIEW UPON REQUEST.

PETE CURTI  
CORPORATE VICE PRESIDENT OF QUALITY SYSTEMS ALL SITES

Thank You For This Order  
PACKING LIST

AVIAL - TRUE CERTIFIED COPY | 05/05/2017 | Ship #: 8004437763 | Line: 90 | 7364470756 | Qty: 12 | CPO: 36189

01/26/17

## CUSTOMS INVOICE/PACKING SHEET



4987766-00

Cust#: 30925

SOLD TO: AVIALL DISTRIBUTION GROUP  
ATTENTION A/P DEPARTMENT  
P.O. BOX 619048

DALLAS, TX 75261-9048 US

SHIPPER: KAPCO GLOBAL  
1 INDUSTRIAL PARK RD.  
CENTERBROOK, CT 06409

SHIP TO: AVIALL DISTRIBUTION GROUP  
2750 REGENT BLVD.  
2750 REGENT BLVD.

DFW AIRPORT, TX 75261 US

Pref. Routing FED EX GROUND

VAT#

UPC VENDOR	INVOICE NO.	ON DOCK
000000	4987766-00	02/10/17
PROMISED	REQUEST	SHIPPED
01/26/17	01/26/17	
CUSTOMER P.O.		

FORWARD TO:

P.O. NUMBER	ITEM NO.	PART NUMBER	ICN No.	QTY	UOM	UNIT PRICE	TOTAL VALUE	COUNTRY OF ORIGIN	QUANTITY ORDERED	QUANTITY B.O.	QUANTITY SHIPPED
	MFR- Revision: B MFR- Batch: 0080246931	Name: PARKER HANNIFIN CORP	430591	93.00		Cure: 3Q2015		MX			
	MFR- Revision: B MFR- Batch: 0080248879	Name: PARKER HANNIFIN CORP	442631-01	1378.00		Cure: 3Q2015		MX			
	MFR- Revision: B MFR- Batch: 0080251949	Name: PARKER HANNIFIN CORP	442631-02	979.00		Cure: 4Q2015		MX			
	MFR- Revision: B MFR- Batch: 0080253700	Name: PARKER HANNIFIN CORP									
	KAPCO GLOBAL CERTIFIES THAT WE ARE ACCREDITED TO FAA AC-0056A FOR SHIPMENTS MADE FROM U.S. SITES. THE ITEM(S) IDENTIFIED HEREIN CONFORM TO AN ESTABLISHED INDUSTRY, U.S. GOVERNMENT, OR COMMERCIAL STANDARD. S/L: 15 YRS PER ARP5316										
TOTAL BOX VALUE:											

The merchandise listed has been produced in accordance with Fair Labor Standards Act of 1938 as amended.  
No claims allowed unless made within ten (10) days after receipt of Goods and in no case shall the liability  
assumed by us under the guarantees either expressed or implied, exceed the face value of the invoice for the  
merchandise in question.

These items are controlled by the U.S. Government and authorized for export only to the country  
of ultimate destination for use by the ultimate consignee or end-user(s) herein identified.  
They may not be resold, transferred, or otherwise disposed of, to any other country or to any  
person other than the authorized ultimate consignee or end-user(s), either in their original  
form or after being incorporated into other items, without first obtaining approval from the  
U.S. Government or as otherwise authorized by U.S. law and regulations.

SHIPPED UNDER NLR

UNLESS OTHERWISE SPECIFIED ON LINE ITEM

FOR CUSTOMS PURPOSES ONLY. DO NOT PAY FROM THIS DOCUMENT.

Terms of Sale - Incoterms-2010: EXW- Essex, CT



## CERTIFICATE OF CONFORMANCE

WE HEREBY CERTIFY THAT THE PRODUCT SUPPLIED IS NEWLY MANUFACTURED,  
AND MEETS ALL REQUIREMENTS OF THE APPLICABLE PURCHASE ORDER.  
EVIDENCE OF CONFORMANCE IS ON FILE AND AVAILABLE FOR REVIEW UPON REQUEST.

PETE CURTI  
CORPORATE VICE PRESIDENT OF QUALITY SYSTEMS ALL STATES

Thank You For This Order

AVIALL - TRUE CERTIFIED COPY | 05/05/2017 | Ship #: 8004437763 | Line: 90 | 7364470756 | Qty: 12 | CPO: 36189

01/26/17

## CUSTOMS INVOICE/PACKING SHEET



4987766-00

Cust#: 30925

SOLD TO: AVIAL DISTRIBUTION GROUP  
ATTENTION A/P DEPARTMENT  
P.O. BOX 619048

DALLAS, TX 75261-9048 US

VAT#

SHIPPER: KAPCO GLOBAL  
1 INDUSTRIAL PARK RD.  
CENTERBROOK, CT 06409

SHIP TO: AVIAL DISTRIBUTION  
2750 BLVD.  
2750 BLVD.

DFW PORT, TX 75201 US

Pref. Routing: FED EX GROUND

UPC VENDOR	INVOICE NO.	ON DOCK
000000	4987766-00	02/10/17
PROMISED	REQUEST	SHIPPED
01/26/17	01/26/17	
CUSTOMER P.O.		

FORWARD TO:

P.O. NUMBER	ITEM NO.	PART NUMBER	ICN No.	QTY	UOM	UNIT PRICE	TOTAL VALUE	COUNTRY OF ORIGIN	QUANTITY ORDERED	QUANTITY B.O.	QUANTITY SHIPPED
	INSP	BY: J. NEWCOMB 01/26/2017									

The merchandise listed has been produced in accordance with Fair Labor Standards Act of 1938 as amended.  
No claims allowed unless made within ten (10) days after receipt of Goods and in no case shall the liability assumed by us under the guarantees either expressed or implied, exceed the face value of the invoice for the merchandise in question.

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified.  
They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

SHIPPED UNDER NLR

UNLESS OTHERWISE SPECIFIED ON LINE ITEM

FOR CUSTOMS PURPOSES ONLY. DO NOT PAY FROM THIS DOCUMENT.

Terms of Sale - Incoterms-2010; EXW: Essex, CT

TOTAL BOX VALUE:

PAGE 3



## CERTIFICATE OF CONFORMANCE

WE HEREBY CERTIFY THAT THE PRODUCT SUPPLIED IS NEWLY MANUFACTURED,  
AND MEETS ALL REQUIREMENTS OF THE APPLICABLE PURCHASE ORDER.  
EVIDENCE OF CONFORMANCE IS ON FILE AND AVAILABLE FOR REVIEW UPON REQUEST.

PETE CURTI  
CORPORATE VICE PRESIDENT OF QUALITY SYSTEMS ALL SITES

Thank You For This Order  
PACKING LIST

AVIAL - TRUE CERTIFIED COPY | 05/05/2017 | Ship #: 8004437763 | Line: 90 | 7364470756 | Qty: 12 | CPO: 36189

MAIL REMITTANCE TO:  
Parker Hannifin Corporation  
(559) 289-2351

Oring Division  
Parker Hannifin Corporation  
(For Correspondence Only)  
P.O. Box 11751  
Lexington KY 40512-1751  
D.U.N.S. 05-682-5607



Carrier Signature

ATTENTION  
CARRIER:

Send all PREPAID freight bills with a copy  
of the Bill of Lading for PAYMENT to  
Parker Hannifin Corporation  
c/o William & Associates, Inc.  
405 East 78th Street  
Bloomington, MN 55420-1299



PACKING LIST  
242818

DATE SHIPPED  
7/24/15

PAGE 1

F.O.B.  
C

SHIP VIA  
PREFERRED SHIP # 979-375

# BOXES

WEIGHT

TRACKING NUMBER

BIN  
20

BAGS  
5

AIAG  
AIAG

ASN

MASTER SHIP# 242827

SOLD TO: 483996

KAPCO VALTEC BREA WAREHOUSE  
3120 E ENTERPRISE ST  
BREA CA 92821

SHIP TO: 000

KAPCO VALTEC  
ESSEX INDUSTRIAL PARK  
ESSEX, CT 06426

SPECIAL SHIPPING INSTRUCTIONS

UPS 979-375

MAX WEIGHT PER BOX IS 40 LBS

ALL BAGS FOR A PARTICULAR LOT # BE SHIPPED TOGETHER

SHIPPING COMMENTS

1. PUT ALL PAPERWORK INSIDE BOX, DO NOT STAPLE PAPERWORK TOGETHER
2. PARTIALS ARE NOT ALLOWED UNLESS AUTHORIZED!!
3. NO MORE THAN 4 BATCHES PER P/N

ITEM: 0001

SO/ITM: 480705/0001 PO: 433972-00

ORD QTY: 10000

PART#: N0602 A5315-906

B/O QTY: 0 REQ DATE: 07/24/15

CUST PART: MS29512-06

REV: 8

SHIPPED QTY: 9770

BATCH: 0080245155 LOT: C0896000 CURE: 2Q2015 BATCH QTY: 795 COO: MX

HARD(SHORE A): 0068 TENS(PSI): 1716 ELONG(X): 0309 S.G.: 1.2600 MOD(PSI): 0453

BATCH: 0080246931 LOT: C0904675 CURE: 3Q2015 BATCH QTY: 8975 COO: MX

HARD(SHORE A): 0067 TENS(PSI): 1753 ELONG(X): 0319 S.G.: 1.2600 MOD(PSI): 0455

DESCRIPTION: PACKING

80 % SHELF LIFE REMAINING AT TIME OF RECEIPT

NOTE DESCRIPTION: MESSAGE

KLX AEROSPACE SOLUTIONS QUALITY CLAUSES PER QAP 33.0 05/08/15: ABCDHPU

V

GENERAL NOTES:

PRODUCT IS BEING PROCURED BASED UPON A  
LICENSING AGREEMENT BETWEEN KLX AEROSPACE SOLUTIONS  
AND KAPCO GLOBAL FOR HONEYWELL PROPRIETARY PRODUCTS.  
THE ABOVE LINE ITEM(S) WILL MEET THE REQUIREMENTS OF  
KLX AEROSPACE SOLUTIONS QUALITY CLAUSES AS LISTED ON THIS PURCHASE  
ORDER.  
IF PRODUCT IS SHELF LIFE SENSITIVE, THERE MUST BE A MINIMUM OF 80% SH  
ELF  
LIFE REMAINING ON PRODUCT AT TIME OF RECEIVAL AT KAPCO GLOBAL.  
ALL CERTIFICATIONS MUST REFLECT LATEST REVISION LEVELS FOR DRAWING,  
MATERIALS AND PROCESS SPECS. ANY VARIANCE TO THIS REQUIREMENT MUST BE  
APPROVED BY KAPCO GLOBAL PRIOR TO SHIPMENT.  
FOR HONEYWELL PROPRIETARY PARTS IF (A) IS INDICATED AFTER THE MATERIAL  
OR  
PROCESS ON THE KAPCO GLOBAL QC-101 PLANNING VENDOR MUST VERIFY IF THE  
-- CONTINUED --

STK. 429514  
2 LOT'S

RECEIVED

JUL 31 2015



PACKING LIST AND CERTIFICATION OF CONFORMANCE

No Mercury, Mercury compounds or Mercury bearing instruments, equipment or apparatus which  
might cause contamination has been used in the manufacture or subsequent processing of material  
covered by this order.

We hereby certify that these goods were produced in compliance with all applicable requirements of  
section 6, 7, and 12 of the Fair Labor Standards Act, as amended, and of regulations and orders of  
the United States Department of Labor issued under section 14 thereof.

CLAIMS FOR DAMAGES MUST BE MADE WITHIN 30 DAYS

Parker O-Ring Division certifies that this product conforms to specifications and requirements of the  
above Purchase Order. Material used in the manufacture of the parts identified above is traceable by  
the listed Control Batch Identification number(s). The applicable test information is available for  
examination at our facilities.

By JACOB NAVA QUALITY ASSURANCE MANAGER

ICN: 429514-01, Doc Date: 8/3/2015

MAIL REMITTANCE TO:  
Parker Hannifin Corporation  
(858) 299-2351



Oring Division  
Parker Hannifin Corporation  
(For Correspondence Only)  
P.O. Box 11751  
Lexington KY 40512-1751  
D.U.N.S. 05-682-6607



PACKING LIST  
242818

DATE SHIPPED  
7/24/15

PAGE 2

Carrier Signature

Send all PREPAID freight bills with a copy  
of the Bill of Lading for PAYMENT to  
Parker Hannifin Corporation  
c/o William & Associates, Inc.  
405 East 78th Street  
Bloomington, MN 55420-1299

F.O.B.  
C

SHIP VIA  
PREFERRED SHIPP #: 979-375

# BOXES

WEIGHT

TRACKING NUMBER

BIN  
20

BAGS  
5

AIAG  
AIAG

ASN

MASTER SHIP# 242827

SOLD TO: 483996

KAPCO VALTEC BREA WAREHOUSE  
3120 E ENTERPRISE ST  
BREA CA 92821

SHIP TO: 000

KAPCO VALTEC  
ESSEX INDUSTRIAL PARK  
ESSEX, CT 06426

SPECIAL SHIPPING INSTRUCTIONS

UPS 979-375

MAX WEIGHT PER BOX IS 40 LBS

ALL BAGS FOR A PARTICULAR LOT # BE SHIPPED TOGETHER

\*\* SPECIAL REQS \*\*  
CURE DATE REQD

SHIPPING COMMENTS

1. PUT ALL PAPERWORK INSIDE BOX, DO NOT STAPLE PAPERWORK TOGETHER
2. PARTIALS ARE NOT ALLOWED UNLESS AUTHORIZED!!
3. NO MORE THAN 4 BATCHES PER P/N

SOURCE SUPPLYING THE MATERIAL OR COMPLETING THE PROCESS REQUIRES HONEYWELL APPROVAL.

TO VERIFY APPROVALS GO TO [HTTPS://WWW.SUPPLIER.HONEYWELL.COM](https://www.supplier.honeywell.com)

(CONTACT KAPCO GLOBAL BUYER IF YOU DO NOT HAVE ACCESS)

IF MATERIAL OR PROCESS IS NOT LISTED ON THE HONEYWELL SITE VENDOR IS REQUIRED TO ADHERE TO APPROVALS LISTED WITHIN THE SPEC OR ADHERE TO APPROVED SOURCES AS DIRECTED BY THE SPEC.

ANY DEVIATION TO THIS PURCHASE PLANNER MUST BE APPROVED IN WRITING BY KAPCO GLOBAL SUPPLIER QUALITY OR PURCHASING AGENT PRIOR TO PRODUCTION.

PLANNER REVISION A-000  
REFERENCE NUMBER: 66673

\*\* CURE DATE RESTRICTIONS \*\*

SERVICES WERE PERFORMED IN ACCORDANCE WITH QA POLICY MANUAL, REVISION 26, 11/12/13  
PARTS WERE 100% VISUALLY INSPECTED

PACKING LIST AND CERTIFICATION OF CONFORMANCE

No Mercury, Mercury compounds or Mercury bearing instruments, equipment or apparatus which might cause contamination has been used in the manufacture or subsequent processing of material covered by this order.  
We hereby certify that these goods were produced in compliance with all applicable requirements of section 6, 7, and 12 of the Fair Labor Standards Act, as amended, and of regulations and orders of the United States Department of Labor issued under section 14 thereof.

Parker C-Ring Division certifies that this product conforms to specifications and requirements of the above Purchase Order. Material used in the manufacture of the parts identified above is traceable by the listed Central Batch identification number(s). The applicable test information is available for examination at our facilities.

By JACOB NAVA QUALITY ASSURANCE MANAGER

CLAIMS FOR DAMAGES MUST BE MADE WITHIN 30 DAYS

ICN: 429514-01, Doc Date: 8/3/2015



**Parker Hannifin Corporation**  
 O-Ring Division  
 Parker Seal de Matamoros  
 Diagonal Lorenzo De La Garza #15 Ciudad  
 H. Matamoros, Tam. 87499, Mexico  
 Phone: (859) 335-3000

--- NOTICE --- PAGE 1 OF 1  
**This is a C.B.I. Compound!**

C.B.I. is Parker's exclusive quality assurance program for Controlled Batch Identification, your assurance of reliability.

**CONFORMANCE CERTIFICATE FOR MATERIAL SHIPPED**

Parker O-Ring Division certifies that the material used in the manufacture of the parts identified below and called for on Purchase Order Number 435972-00 received by us from KAPCO VALTEC is traceable to C.B.I. Number 0080245155 and that the material used conforms to the requirements of the specifications indicated below. The tests were performed in accordance with these specifications, and data supporting the indicated results are on file.

CUSTOMER PART NUMBER	PARKER PART NUMBER	COMPOUND	QUANTITY	CURE DATE	SHIP DATE
MS29512-06	AS315-906	N0602 -70	795	2Q15	07/24/15
REV: B	TESTED AS: 2-906				
SPECIFICATION	REV	LOT		TESTED	
AMS-P-5315	B	C0896000		ON: 05/21/15	
TEST RESULTS		REQUIREMENTS	PARKER FINDINGS		
		MIN	MAX		
ASTM D297	HYDROSTAT	SPECIFIC GRAVITY	1.24	1.28	1.26
ASTM D2240	SHORE A	HARDNESS	60	78	64
ASTM D1414		TENSILE STRENGTH, PSI	1000		1588
ASTM D1414		ELONGATION %	200		310
FLUID TESTING					
ASTM D1414	ASTM D471	FUEL A	72 HRS @	73F	
		VOLUME CHANGE			0 10.0 1.0
ASTM D1414	ASTM D471	FUEL B	72 HRS @	73F	
		VOLUME CHANGE			0 50.0 26.0
		DRY NECKDOWN			PASS PASS

Testing Performed By PSDM Lab.  
 Diagonal Lorenzo De La Garza #15 Ciudad  
 H. Matamoros, Tam. 87499, Mexico

CAGE CODE: SE397

No Mercury, Mercury compounds or Mercury bearing instruments, equipment or apparatus which might cause contamination has been used in the manufacture or subsequent processing of material covered by this order.

Purchaser use only. Reproduce only in full. Data pertains to items referenced.

The recording of false, fictitious or fraudulent statements or entries on the certificate may be punishable as a felony under federal law.

The information contained herein is submitted as the privileged and confidential property of the Parker Hannifin Corporation pursuant to 5 U.S.C. Section 552 (b)(3) and (b)(4), the Freedom of Information Act, exemption Number 3 and Number 4. This information shall not be duplicated, used or disclosed in whole or in part outside the recipient organization without express written consent of the Parker Hannifin Corporation.

O-Ring Division  
**PARKER HANNIFIN CORPORATION**

By

*Jacob Hava*

JACOB HAVA  
 Quality Assurance Manager





**Parker Hannifin Corporation**  
 PARKER SEALS DE MATAMOROS ORD  
 DIAG. LORENZO DE LA GARZA #13  
 CD IND. MATAMOROS TAM, MEXICO  
 PHONE: (859) 335-3000

**--- NOTICE ---**  
**This is a C.B.I. Compound!**

C.B.I. is Parker's exclusive quality assurance program for Controlled Batch Identification, your assurance of reliability.

**CONFORMANCE CERTIFICATE FOR MATERIAL SHIPPED**

Parker O-Ring Division certifies that the material used in the manufacture of the parts identified below and called for on Purchase Order Number 433972-00 received by us from KAPCO VALTEC is traceable by the Control Batch Identification (CBI) number(s): 0080245155 0080246931

Parker O-Ring Division also certifies that CBI tests have been performed on the batch of material used to manufacture such parts. These tests are pre-production batch acceptance tests and the results of such tests are set forth below. Data that supports these results is on file with Parker. See the applicable Parker catalog for further information concerning these preproduction tests.

SHIPMENT DATE: 07/24/15

CUSTOMER PART NUMBER	PARKER PART NUMBER	COMPOUND	QUANTITY
MS29512-06	REV B A5315-906	N0602-70	9770
<b>PARKER FINDINGS:</b>			
BATCH #	CURE	HARDNESS	TENSILE
0080245155	2Q15	68	1716
0080246931	3Q15	67	1753
		ELONG	S.G.
		309	1.26
		319	1.26
		MODULUS	QTY
		453	795
		455	8975
THE REMAINING SHELF LIFE SHALL BE DETERMINED BY UTILIZING THE CURE DATE LISTED ABOVE AND APPLYING THE APPLICABLE SHELF LIFE GUIDELINES AS LISTED IN ARP 5316, ASSUMING PROPER STORAGE CONDITIONS.			

No Mercury, Mercury compounds or Mercury bearing instruments, equipment or apparatus which might cause contamination has been used in the manufacture or subsequent processing of material covered by this order.

Purchaser use only. Reproduce only in full. Data pertains to items referenced.

The recording of false, fictitious or fraudulent statements or entries on the certificate may be punishable as a felony under federal law.

The information contained herein is submitted as the privileged and confidential property of the Parker Hannifin Corporation pursuant to 5 U.S.C. Section 552 (b)(3) and (b)(4), the Freedom of Information Act, exemption Number 3 and Number 4. This information shall not be duplicated, used or disclosed in whole or in part outside the recipient organization without express written consent of the Parker Hannifin Corporation.

O-Ring Division  
 PARKER HANNIFIN CORPORATION

By

*J. Nava*  
 Jacob Nava

Quality Assurance Manager



ICN: 429514-01, Doc Date: 8/3/2015



**ETA Global Inc.**P.O. BOX 259  
PALESTINE, TX 75802-0259PH: (903)729-3131  
Quality FAX: (903)729-1217  
www.etaglobal.com**Packing Slip**

355878-000

Page 1 of 1

Ship Date:

ISO9001:2008  
AS9100 Rev C  
Certificate NO. C0023281

Sold to: 8418

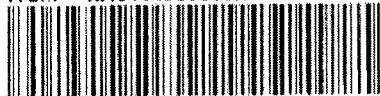
Ship to:

AVIALL SERVICES (CONTRACT)  
ATTN: ACCOUNTS PAYABLE  
PO BOX 619048  
DALLAS, TX 75261  
UNITED STATESAVIALL SERVICES (CONTRACT)  
2750 REGENT BLVD  
DFW AIRPORT, TX 75261  
UNITED STATES

Customer P.O.		Department		Message		
45569085		500		FEDEX 0752-6857-2		
Payment terms		Salesper 2		B P	Ship via	Freight terms
1%10NET30		#####		Y Y	Fed X grnd	COLLECT
Ln	Ship Quantity	UOM	Item / Description			

0010 75000 EACH NAS1149C0363R  
WASHER, FLAT  
STAINLESS/CRESControl #: 49541600-02-01 75000  
Mfg Lot #: 606705-2  
MFG: SUPERIOR WASHER & GASKET CORP  
Country of origin: UNITED STATES

ITEM NAS1149C0363R=28



BATCH 7364489509

SSOMSANIT  
03/01/17

ETA Global, Inc. certifies the products furnished on the above referenced order were manufactured in accordance with all applicable part numbers, specifications and descriptions. This statement is supported by a certificate of conformance and/or test reports on file at our facility or the place of manufacture/supply. In addition, the product listed on this packing list meets all requirements of DFARS 252.225-7009 - Restriction on Acquisition of Certain Articles Containing Specialty Metals (formerly DFARS 252.225-7014 & Alt. I (Preference for Domestic Specialty Metal). Supporting documentation is available for review with proper notice (additional costs may be incurred).

Quality Control Authority

*Angela Coleman* **ETA**  
Angela Coleman #16  
Quality Control Inspector

Date: 02/ 17/ 17

IMPORTANT NOTICE: LIMITATION OF REMEDIES: If this product is proved to be defective, the exclusive remedy available and ETA's only obligation shall be to replace such quantity of this product which is proved to be defective or to refund the purchase price paid for this product. ALL CLAIMS FOR DEFECTIVE MATERIAL ARE WAIVED UNLESS MADE IN WRITING WITHIN 30 DAYS FROM THE DATE OF SHIPMENT. LIMITATION OF LIABILITIES: ETA shall not be liable for any damages, including incidental and/or consequential damage, magnitude of the legal theory asserted, including negligence and/or strict liability. Before using, User shall determine the suitability of the product for intended use. User assumes all risk and liability whatsoever in connection therewith. CHECK CAREFULLY - Reference must be made to our delivery receipt register number when making claims or request for adjustment. ALL RETURNS SUBJECT TO APPROVAL OF SELLER TO RETURN. The foregoing limitation of remedies and liabilities may not be altered unless in writing signed by the President of ETA GLOBAL, INC.

Distribution/Manufacturing software provided by Renrie, Lindsey and Associates, Inc.

02-17-17 11:17 AM

Mention promo code 004189 at www.rla-assist.com/promo.html

AVIALL - TRUE CERTIFIED COPY | 05/05/2017 | Ship #: 8004437763 | Line: 100 | 7364489509 | Qty: 200 | CPO: 36189

**SUPERIOR WASHER AND GASKET CORP**

170 Adams Avenue  
Hauppauge, New York 11788  
Phone: (631) 273-8282  
Fax: (631) 273-8088  
E-mail: swg@superiorwasher.com  
Web: superiorwasher.com  
(In the East)

**SUPERIOR WASHER AND GASKET CORP**

662 Bryant Blvd  
Rock Hill, South Carolina 29732  
Phone: (803) 366-3250  
Fax: (803) 366-3511  
E-mail: swg@superiorwasher.com  
Web: superiorwasher.com  
(In the South)

ETA GLOBAL, INC  
5500 WEST OAK STREET

PALESTINE, TX 75802

Customer Purchase Order Number 495416		Superior Order Number 606705 - 2	Superior Lot Number 606705 - 2	Tracer No. SC039374 - 6
Date 01/06/2016	Production Card	Part Number NAS1149C0363R	Quantity 250000	Tag#
Drawing		Dual Cert No.		

We hereby certify that all materials and processes conform  
All parts are manufactured in a Mercury-free environment

**Material**

304 SS Annealed  
AMS5513J

PASSIVATE AMS2700 METHOD 1 TYPE 6 CLASS 1

**Chemical Analysis**

C	Carbon	0.0370
Mn	Manganese	1.2500
P	Phosphorous	0.0250
S	Sulphur	0.0010
Si	Silicon	0.3800
Cr	Chromium	18.2300
Ni	Nickel	8.0400
Mo	Molybdenum	0.3800
Cu	Copper	0.4900
Fe	Iron	0.0000
Ti	Titanium	0.0000
Co	Cobalt	0.0000
N	Nitrogen	0.0630
Cb	Columbium	0.0000
Al	Aluminium	0.0000
Sn	Tin	0.0000
Mg	Magnesium	0.0000
Zn	Zinc	0.0000
Pb	Lead	0.0000
Va	Vanadium	0.0000

**Mechanical Properties**

Yield	39884
Tensile	90935
Elongation	62.8
Hardness	82
Heat	505839
Magperm	<2.0
Scale	B
Bend	OK

SUPERIOR WASHER AND GASKET CORP.

By Richard Anderson, Jr.  
Richard Anderson, Jr.  
Quality Control Manager



ETA CTL# 49541600-02-01

AVIALL SERVICE CERT

COPY 1 05/05/2017 Ship # 8004437763 Line 30

7364478418 Qty 00 | CPO 36189



CUST PO NO 45593176 SO NO 544385  
 FROM: BILD INDUSTRIES, INC. 800 CLEARWATER LOOP POST FALLS, ID 83854



CUST PO NO 45593176 SO NO 544385  
 FROM: BILD INDUSTRIES, INC. 800 CLEARWATER LOOP POST FALLS, ID 83854



CUST PO NO 45593176 SO NO 544385  
 FROM: BILD INDUSTRIES, INC. 800 CLEARWATER LOOP POST FALLS, ID 83854

AVIALL SERVICES, INC.  
 AVIALL CENTRAL WAREHOUSE  
 2750 REGENT BOULEVARD  
 DFW AIRPORT TX 75261

AVIALL SERVICES, INC.  
 AVIALL CENTRAL WAREHOUSE  
 2750 REGENT BOULEVARD  
 DFW AIRPORT TX 75261

AVIALL SERVICES, INC.  
 AVIALL CENTRAL WAREHOUSE  
 2750 REGENT BOULEVARD  
 DFW AIRPORT TX 75261

CUSTOMER BILL TO ADDRESS

AVIALL SERVICES, INC.  
 ATTN. AP DEPT.  
 P.O. BOX 619048  
 DALLAS TX 752619048

COMPLETE CUSTOMER PO NO.

45593176

BUYER NAME & PHONE NO.

LANA

BILL TO NO.

SHIP TO NO.

PAGE

ASI007

PACKING SLIP

INSPECT IMMEDIATELY

LINE	LOC	QTY ORDERED	TOTAL QTY SHIPPED THIS ORDER	LOT	CUST. PO NO.	CUST. NO.	DESCRIPTION
1		6500	6500	87541/80283 AN4-14A	45593176	ASI007	BOLT 6x34-38-36
2		1	1	S/C MANUFACTURE CERT	45593176	ASI007	CERTIFICATION
3		1	1	USA COUNTRY OF ORIGIN	45593176	ASI007	

MANUARIO  
 02/15/17

ITEM AN4-14A=28



BATCH 7364478418



CERTIFICATION OF CONFORMANCE

WE HEREBY CERTIFY THAT THE MERCHANDISE INCLUDED ON THIS PACKING LIST IS IN CONFORMANCE WITH AN-M5-NAS OR APPLICABLE SPECIFICATIONS AND OR DRAWINGS.

CAGE CODE 31222

DATE

QUALITY CONTROL MANAGER

*Paula K. Johnson*

TOTAL WT

NO CTNS

P = PARTIAL  
 C = COMPLETE  
 CC = CONSIDER COMPLETE  
 CX = CANCEL

DATE SHIPPED

SHIPPED VIA

SIGNATURE - MERCHANDISE RECEIVED

X

WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTIONS 6, 7, AND 12 OF THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE ADMINISTRATOR OF THE WAGE AND HOUR DIVISION ISSUED UNDER SECTION 14 THEREOF. IMPORTED ITEMS, IF RESOLD OR REPACKED MUST CONFORM TO THE REQUIREMENTS OF 19 U.S.C. 1304 AND 19 CFR PART 134. ALL CLAIMS MUST BE MADE WITHIN TEN (10) DAYS. PACKING LIST MUST ACCOMPANY CLAIM, MERCHANDISE NOT SUBJECT TO RETURN WITHOUT OUR PERMISSION.

MATERIAL CONTAINED IN THIS SHIPMENT WAS INSPECTED IN ACCORDANCE WITH APPLICABLE DRAWINGS AND SPECIFICATIONS. BILD INDUSTRIES DISCLAIMS ANY RESPONSIBILITY FOR MANUFACTURING OR FUNCTIONAL DEFECTS, AND HEREBY LIMITS EXPRESS OR IMPLIED WARRANTIES TO LIABILITY FOR THE COST OF REPLACING OR REFUNDING THIS MATERIAL. BUYER IN ACCEPTING DELIVERY OF THIS MATERIAL ACKNOWLEDGES AWARENESS OF SUCH LIMITATIONS.

**MAC FASTENERS, INC.**  
**1110 ENTERPRISE**  
**OTTAWA, KANSAS 66067**

**CERTIFICATE OF CONFORMANCE  
AND  
MANUFACTURER'S AFFIDAVIT**

CUSTOMER: BILD INDUSTRIES

PO: 87514

PART NUMBER: AN4-14A

REV: 3

LOT NUMBER: 80283

MANUFACTURED QUANTITY: 57,500

MILL HEAT NUMBER: 8199736

COUNTRY OF ORIGIN: UNITED STATES OF AMERICA

DFARS 252.225.7009 Compliant

**MERCURY FREE CERTIFICATION**

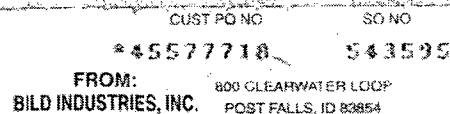
MacFasteners certifies that the parts referenced in the above lot number do not contain Mercury or Mercury compounds, and were manufactured in a Mercury free environment.

We certify that the parts furnished against the above referenced purchase order were manufactured by MAC FASTENERS within the United States, and were processed in accordance with all applicable drawings and specifications. Objective evidence of compliance is on file, subject to examination upon request.

Mac Fasteners is a DISC QSLM approved Manufacturer - CAGE Code 0RFT4  
Mac Fasteners is an Airbus approved Supplier - 203399

DATE: 10/31/15

  
\_\_\_\_\_  
QUALITY ASSURANCE REPRESENTATIVE



AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261



AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261



AVIALL SERVICES, INC.  
AVIALL CENTRAL WAREHOUSE  
2750 REGENT BOULEVARD  
DFW AIRPORT TX 75261

CUSTOMER BILL TO ADDRESS

COMPLETE CUSTOMER PO NO.

BILL TO NO.

SHIP TO NO.	PAGE
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100	100

PAGE

AVIALL SERVICES, INC.  
ATTN. AP DEPT.  
P.O. BOX 619048  
DALLAS TX

\*45577718

BUYER NAME & PHONE NO.

LANA

AS1007

# INSPECT IMMEDIATELY

ITEM AN4C13A = 28

BATCH 7364483789

EMARISCAL

02/22/17

## CERTIFICATION OF CONFORMANCE

WE HEREBY CERTIFY THAT THE MERCHANDISE INCLUDED ON THIS PACKING LIST IS IN CONFORMANCE WITH AN MS-NAS OR APPLICABLE SPECIFICATIONS AND OR DRAWINGS.

CAGE CODE 31222

DATE \_\_\_\_\_

QUALITY CONTROL MANAGER

DATE SHIPPED: 4/SHIPPED VIA:

SIGNATURE - MERCHANDISE RECEIVED

P = PARTIAL  
C = COMPLETE  
CC = CONSIDER COMPLETE  
CX = CANCEL

AVIALL

MAC FASTENERS, INC.  
1110 ENTERPRISE  
OTTAWA, KANSAS 66067

**CERTIFICATE OF CONFORMANCE  
AND  
MANUFACTURER'S AFFIDAVIT**

CUSTOMER BILD INDUSTRIES

PO: 90601

PART NUMBER: AN4C13A

REV: 3

LOT NUMBER: 86753

MANUFACTURED QUANTITY: 8,000

MILL HEAT NUMBER: G18863

COUNTRY OF ORIGIN: UNITED STATES OF AMERICA

DFARS 252.225.7009 Compliant

**MERCURY FREE CERTIFICATION**

MacFasteners certifies that the parts referenced in the above lot number do not contain Mercury or Mercury compounds, and were manufactured in a Mercury free environment.

We certify that the parts furnished against the above referenced purchase order were manufactured by MAC FASTENERS within the United States, and were processed in accordance with all applicable drawings and specifications. Objective evidence of compliance is on file, subject to examination upon request.

Mac Fasteners is a DISC QSLM approved Manufacturer - CAGE Code 0RFT4  
Mac Fasteners is an Airbus approved Supplier - 203399

DATE: 11/21/16

  
\_\_\_\_\_  
QUALITY ASSURANCE REPRESENTATIVE

exas 75063

Phone: 972 915-0800  
Fax: 972-915-1792

BILL TO: AVIAL SERVICES INC  
PO BOX 619048  
DALLAS, TX 75261-9048  
972-586-1905 VI

SHIP TO: AVIAL SERVICES INC  
2750 REGENT BLVD  
DFW AIRPORT, TX 75261

ORDER NUMBER

20168774-0001



CUSTOMER NUMBER	P.O. NUMBER	ORDER DATE	PRINT DATE	SALESMAN	TAKER	ROUTE
AVIALS	1559570	04/29/2011	12/30/1899 12:00 am	2019	2080	1
INSTRUCTIONS		CARRIER				
GEXPRO DELIVERY TUES & THURS SEE PACKAGING REQUIREMENTS		<NONE>				

ORDERED	SHIPPED	BO	LINE	ITEM NUMBER	UOM	INTERNAL USE
500	500		1	PART #: ASS169D06=28 FITTING PORT PLUG .5625-18 ASS169D06  Lot: >1GZRAAAA Qty: 176 MfgLot: ROESGER/RE1107074/203/221 COO: US Lot: >T9HRAAAA Qty: 318 MfgLot: ROESGER/RE1105138/203/221 COO: US Lot: >TSJRAAAA Qty: 6 MfgLot: ROESGER/RE1105196/203/221 COO: US	C	
<p>PO 1559570</p> <p>LOT AV0911973349</p> <p>EGEE</p> <p>9/8/11</p> <p>Gexpro 123 Services</p>						
DATE REQ: 08/25/11						

**Certificate of Conformance**

It is hereby certified that all articles on this order, placed by your company, are in conformance with all the applicable requirements, specifications and drawings stated on the purchase order. This statement is supported by Certificates of Conformance or Manufacturer's document.

*John Clino*

Corporate Director of Quality Assurance

PACKED BY	CHECKED BY	SHIPPED BY

**PACKING SLIP**

8/22/2011 2:40:31PM  
AVIAL - TRUE CERTIFIED COPY | 05/05/2017 | Ship #: 8004437763 | Line: 60 | 0911973349 | Qty: 8 | CPO: 36189

Page 1 of 1

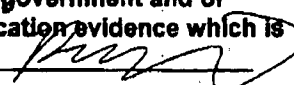


WORKING CORP.

(SHIP TO) P.O. BOX 583  
 SAN PEDRO, CA. 90733  
 (SHIP TO) 203 SOUTH PACIFIC  
 AVENUE, S.P. CA. 90731

# PACKING SLIP

DATE	INVOICE #
7/7/2011	RE1107074

BILL TO			SHIP TO		
BAILEY HYD, INC. 1931 BOMAR AVENUE FORT WORTH, TX 76103 USA			BAILEY HYD, INC. 1931 BOMAR AVENUE FORT WORTH, TX 76103 USA		
P.O. NUMBER	TERMS	REP	SHIP	VIA	BUYER
53842	Net 30	GLR	7/7/2011	UPS	JAYME
PART NUMBER	DESCRIPTION		QUANTITY	BACK ORDER	
AS5169D06	FITTING, PORT PLUG AND BLEEDER AN814-6D		1,000	0	
0	<p>We hereby certify that a manual signature here indicates material listed on this packing slip conform to the current applicable chemical and physical properties of government and or manufacturers specification evidence which is contained in our files.</p> 				
We appreciate your business.				E-mail	
				aircrafthardware@sbcglobal.net	
Phone #	Fax #				
310-548-5454	310-548-6966				

GoPro  
**115**  
 Service



Reel Estate Productions, Inc.  
1931 BOMAR AVE.  
FORT WORTH, TX 76103  
WWW.BAILEYHYD.COM  
Ph: (817) 546-1200, Fax: (817) 546-1204

## Packing Slip

Invoice #: 48509

Invoice Date: 7/13/2011

Time: 8:55:09 AM

Page: 1

To:  
GEXPRO SERVICES INC.  
9500 NORTH ROYAL LANE  
SUITE 130  
IRVING, TX 75063  
Ph: 972-915-1704 Fax: 972-649-3195

Ship To:  
GEXPRO SERVICES INC.  
DFAR LOCATION ONLY  
9500 N. ROYAL LANE SUITE 130  
IRVING, TX 75063

Cust. PO#: 20106965      Terms: 2% 10 NET 30      Ship Via: UPS GROUND      Ship Via Acc: 749-392  
Order Date: 7/6/2011      # of Items: 1      # of Boxes:      Weight:  
Prepared By: JAYME BROOKS      Sales Order: 313634      Ship Log #: 1      Ship Order:  
Customer #: 4672      VAT #:      Cust. VAT #:      Ship Date: 7/13/2011  
Buyer: AMANDA RACICOT      FOB: FT WORTH, TX      AWB: 1ZYY19580393521609      Shipment:

Item	Part Number/Description	Shipped	BackOrd	CD		Unit Price	UOM	Total Amt
1	AS5169D06 PLUG, BLEEDER, MACHINE THRD MFG: ROESGER'S ENGINEERING CORP LOT#: RE1107074  <div>COUNTRY OF ORIGIN USA Full traceability required with manufacture certifications.</div>	1000		0	NE		EA	

WE HEREBY CERTIFY THAT THIS MATERIAL HAS BEEN MANUFACTURED IN ACCORDANCE WITH ALL AN, MS, AND MIL DRAWINGS & SPECIFICATIONS. ALL CLAIMS FOR ERROR, SHORTAGE, OR DAMAGE MUST BE MADE WITHIN 30 DAYS AFTER OUR SHIPMENT OF GOODS. LIABILITY TO BAILEY HYD IS LIMITED TO CREDIT AND/OR REPLACEMENT OF GOODS. Please see our website for export license agreement details, warranty and disclaimer of liability. [www.baileyhyd.com](http://www.baileyhyd.com).

Authorized Signature:

Form created with Quantum Control(tm) technology. Product Licensed to: Bailey HYD

**ROESGER'S ENGINEERING CORP.**

(REMIT TO) P.O. BOX 583

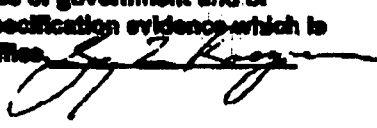
SAN PEDRO, CA. 90733

(SHIP TO) 203 SOUTH PACIFIC

AVENUE, S.P. CA. 90731

**PACKING SLIP**

DATE	INVOICE #
5/13/2011	RE1105138

<b>BILL TO</b>			<b>SHIP TO</b>		
<b>BAILEY HYD, INC.</b> 1831 BOMAR AVENUE FORT WORTH, TX 76103 USA			<b>BAILEY HYD, INC.</b> 1831 BOMAR AVENUE FORT WORTH, TX 76103 USA		
<b>P.O. NUMBER</b>	<b>TERMS</b>	<b>REP</b>	<b>SHIP</b>	<b>VIA</b>	<b>BUYER</b>
53473	Net 30	GLR	5/13/2011	UPS	JAYME
<b>PART NUMBER</b>	<b>DESCRIPTION</b>		<b>QUANTITY</b>	<b>BACK ORDER</b>	
AN814-8D	PLUG AND BLEEDER - SCREW THREAD		1,000	0	
MS20823-8D	ELBOW - FLARED TUBE AND PIPE THREAD 45 DEGREES (AS5198D0806)		300	0	
AS1038D0806	ELBOW - 90 DEGREE FLARED TUBE BULKHEAD		280	0	
AN819-12D	REDUCER - EXTERNAL THREAD FLARED TUBE (AS5174D0806)		600	0	
0	We hereby certify that a manual signature here indicates material listed on this packing slip conform to the current applicable chemical and physical properties of government and or manufacturers specification evidence which is contained in our files. 				
We appreciate your business.			E-mail		
			aircrafthardware@sbcglobal.net		
<b>Phone #</b>	<b>Fax #</b>				
310-548-5454	310-548-6966				


 GEXPO  
 123  
 Services

**Hardware & Hydraulic Fittings**

Productions, Inc.  
1931 BOMAR AVE.  
FORT WORTH, TX 76103  
WWW.BAILEYHYD.COM  
Ph: (817) 546-1200, Fax: (817) 546-1204

## Packing Slip

Invoice #: 47637

Invoice Date: 5/19/2011

Time: 9:23:15 AM

Page: 1

**To:**  
GEXPRO SERVICES INC.  
9500 NORTH ROYAL LANE  
SUITE 130  
IRVING, TX 75063  
Ph: 972-915-1704 Fax: 972-649-3195

5/20/14

**Ship To:**  
GEXPRO SERVICES INC.  
DFAR LOCATION ONLY  
9500 N. ROYAL LANE SUITE 130  
IRVING, TX 75063

Cust. PO#: 20105052

Order Date: 5/11/2011

Prepared By: JAYME BROOKS

Customer #: 4872

Buyer: AMANDA RACICOT

Terms: 2% 10 NET 30

# of Items: 5

Sales Order: 312983

VAT #:

FOB: FT WORTH, TX

Ship Via: UPS GROUND

# of Boxes:

Ship Log #: 1

Cust VAT #:

AWB: 1ZYY19580394276785

Ship Via Acc: 749-392

Weight:

Ship Order:

Ship Date: 5/19/2011

Shipment:

Item	Part Number/Description	Shipped	BackOrd	CD	Unit Price	UOM	Total Amt
1	AN814-8D Plug And Bleeder MFG: ROESGER LOT#: RE1105138 Alt: AS5169D06 PLUG, BLEEDER, MACHINE THRD  Full traceability required with manufacture certifications.	994	0	NE		EA	
2	MS20823-8D Elbow, Flared Tube And Pipe 45° MFG: ROESGER LOT#: RE1105138  Full traceability required with manufacture certifications.	300	0	NE		EA	
4	COUNTRY OF ORIGIN USA MS20822-4-4D Elbow, Flared Tube And Pipe 90° MFG: NELSON LOT#: 9063-3389  Full traceability required with manufacture certifications.	100	0	NE		EA	
5	COUNTRY OF ORIGIN USA AS1038D0606 ELBOW, FLARED TUBE BULKHEAD 90 MFG: ROESGER LOT#: RE1105138	230	0	NE		EA	

WE HEREBY CERTIFY THAT THIS MATERIAL HAS BEEN MANUFACTURED IN ACCORDANCE WITH ALL AN, MS, AND MIL DRAWINGS & SPECIFICATIONS. ALL CLAIMS FOR ERROR, SHORTAGE, OR DAMAGE MUST BE MADE WITHIN 30 DAYS AFTER OUR SHIPMENT OF GOODS. LIABILITY TO BAILEY HYD IS LIMITED TO CREDIT AND/OR REPLACEMENT OF GOODS. Please see our website for export license agreement details, warranty and disclaimer of liability. www.baileyhyd.com.

Authorized Signature:

GEXPRO  
123  
Services

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Hyd  
Reel Estate Productions, Inc.  
1931 BOMAR AVE.  
FORT WORTH, TX 76103  
WWW.BAILEYHYD.COM  
Ph: (817) 546-1200, Fax: (817) 546-1204

**Packing Slip**

Invoice #: 47712  
Invoice Date: 5/24/2011  
Time: 12:46:12 PM  
Page: 1


To:  
GEXPRO SERVICES INC.  
9500 NORTH ROYAL LANE  
SUITE 130  
IRVING, TX 75063  
Ph: 972-915-1704 Fax: 972-649-3195

Ship To:  
GEXPRO SERVICES INC.  
DFAR LOCATION ONLY  
9500 N. ROYAL LANE SUITE 130  
IRVING, TX 75063

Cust. PO#: 20105052      Terms: 2% 10 NET 30      Ship Via: UPS GROUND      Ship Via Acc: 749-392  
Order Date: 5/11/2011      # of Items: 1      # of Boxes:  
Prepared By: JAYME BROOKS      Sales Order: 312983      Ship Log #: 1      Weight:  
Customer #: 4872      VAT #:  
Buyer: AMANDA RACICOT      FOB: FT WORTH, TX      Cust VAT #:      Ship Order:  
AWB: 1ZYY19580393381281      Ship Date: 5/24/2011      Shipment:

Item	Part Number/Description	Shipped	BackOrd	CD		Unit Price	UOM	Total Amt
1	AN814-6D Plug And Bleeder MFG: ROESGER LOT#: RE1105196 Alt: AS5169D06 PLUG, BLEEDER, MACHINE THRD <div>Full traceability required with manufacture certifications.</div>	6	0	NE			EA	

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Authorized Signature:

GEXPRO  
122  
SERVICES

# PACKING SLIP

BOX 583  
SAN PEDRO, CA. 90733  
(SHIP TO) 203 SOUTH PACIFIC  
AVENUE, S.P. CA. 90731

DATE	INVOICE #
5/19/2011	RE1105196

BILL TO			SHIP TO		
BAILEY HYD, INC. 1931 BOMAR AVENUE FORT WORTH, TX 76103 USA			BAILEY HYD, INC. 1931 BOMAR AVENUE FORT WORTH, TX 76103 USA		
P.O. NUMBER	TERMS	REP	SHIP	VIA	BUYER
53520	Net 30	GLR	5/19/2011	UPS	JAYME
PART NUMBER	DESCRIPTION		QUANTITY	BACK ORDER	
AN910-3D	COUPLING - PIPE THREAD AS4859D03		100	0	
AN814-6D	PO53473 SHORTAGE PLUG AND BLEEDER - SCREW THREAD		6		
0	We hereby certify that a manual signature here indicates material listed on this packing slip conform to the current applicable chemical and physical properties of government and or manufacturers specification evidence which is contained in our files. <i>[Signature]</i>				
We appreciate your business.			E-mail		
			aircrafthardware@sbcglobal.net		
Phone #	Fax #				
310-548-5454	310-548-6966				

Gaxpro  
122  
Services